

NEW
iPhone 6S



100+ OF THE COOLEST NEW GADGETS PG 43

HOLIDAY BUYER'S GUIDE

iPhone Life +iPad

Best Apps • Top Tips • Great Gear

IPHONELIFE.COM
NOV-DEC 2015 VOL. 7, NO. 6



Apple's New Lineup



Apple Watch iPhone 6S Plus iPhone 6S



iPad Pro



Apple TV Siri Remote

Buying an iPhone?
Your Step-by-Step
Upgrade Guide PG 36

iOS 9:
10 Best Hidden
Features PG 32

watchOS 2:
Time to Buy an
Apple Watch? PG 28



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November/December 2015

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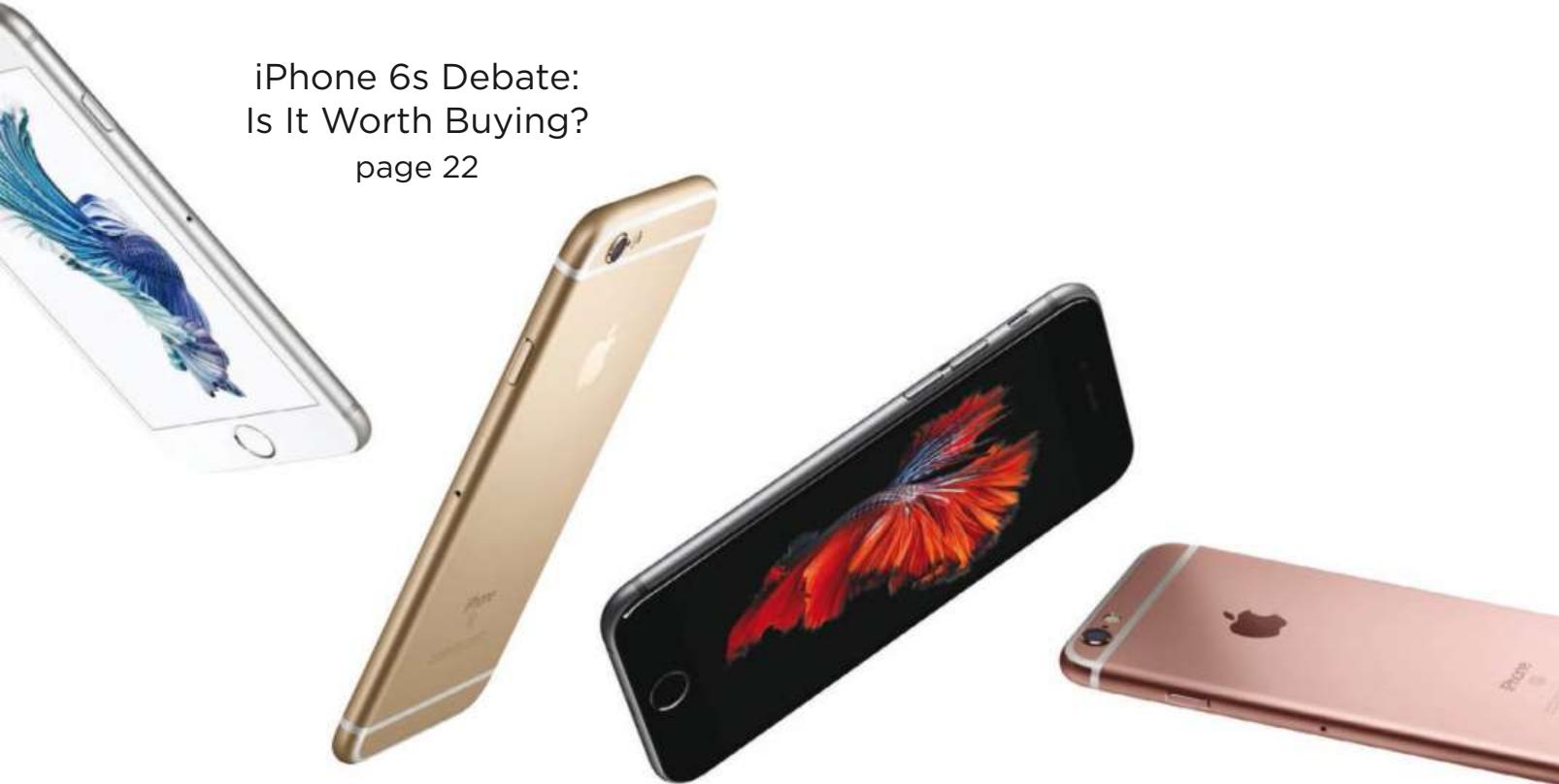
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EDITOR'S MESSAGE

10 Biggest Apple Moments of 2015

The tech industry moves fast, and there's no better reflection of that rapid pace of growth than Apple's latest innovations and culture. Here are some of the highlights we've witnessed during the past 12 months:

1) Apple Watch Appears in the Wild

Apple CEO Tim Cook debuted the Apple Watch last year, dropping Steve Jobs's legendary "one more thing" line, but Apple officially released its first wearable this April. First-quarter sales estimates sit at roughly 3.6 million units—higher than all other smartwatch sales combined.

2) We May Finally Have a Real Laptop Replacement

Few can argue that the iPad is as indispensable as our smartphones or laptops. But with the release of the iPad Pro with its 12.9-inch display and A9X processor that's faster than 80 percent of PCs, tablets now have a real shot at competing with laptops.

3) Apple Launches 3D Touch

3D Touch, arguably the coolest feature of the iPhone 6s, makes it ultra easy to jump to an action (such as taking a selfie or composing an email) just by pressing firmly on an app's icon.

4) Apple TV Gets Voice Control

Next time you're watching a movie and your mom asks, "What did he say?" you can let Siri step in. The new Apple TV remote lets you ask Siri things like where to find the second season of *The Fall* or what just happened 15 seconds earlier in a movie.

5) I Can Use My Apple Watch to Pay for Things

Thanks to the tech giant's push this year to roll out Apple Pay to stores everywhere, I now pay for my gas and morning brew using my Apple Watch.

6) First Female Executives Onstage at WWDC

Apple broke its 18-year men-only spell at the annual Worldwide Developers Conference in June when it invited two female executives onstage to introduce features of iOS 9. Women currently fill 30 percent of positions at Apple, and less than 20 percent of those are tech related.

7) An iPhone Accessory Diagnoses AIDS

Researchers at Columbia University have developed a \$34 smartphone attachment that can diagnose HIV with accuracy levels that rival those of expensive lab equipment. This gadget could lead to early diagnosis and prevention of AIDS for those most vulnerable to the disease.

8) iOS 9 Brings New Treats for iPhone Users

Apple's latest mobile operating system has a few gems for everyday iPhone use. My favorite features are searchable settings, split-screen multitasking on the iPad, Wi-Fi Assist, and a new iCloud Drive app.

9) ResearchKit Promises to Improve Medical Research

ResearchKit, the medical research platform Apple released in April, promises to be a disruptive technology that helps scientists and doctors better understand illness. Already, apps such as mPower, Asthma Health, GlucoSuccess, MyHeart Counts, and Share the Journey are tracking thousands of users' data and symptoms for use in clinical trials.

10) Apple Steps Up Its Education Game with Paid Interns

Apple upped the number of WWDC scholarships it offers from 200 to 350 for students and developers to attend the Worldwide Developers Conference. The tech giant also partnered with CODE2040, an educational non-profit, in order to offer paid internships to 10 minority students next summer.



Donna Cleveland

Donna Cleveland

Editor in Chief

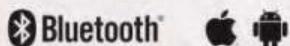
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Model K2

ASK AN EDITOR

QUESTIONS FROM IPHONE LIFE INSIDERS ANSWERED

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Is there a way to password-protect a Numbers spreadsheet?

Thanks,
I Need To Keep This Spreadsheet Safe

Hey, Spreadsheets!

Good news—you actually *can* passcode-protect your Numbers spreadsheet! To get started, you'll need to open up the document you wish to protect in the Numbers app and then select the tool icon. Select Set Password, and then enter your password along with a password hint in the fields shown. Tap Done. Your document name will now show a lock icon. Make sure to use a strong password that you'll remember. I like to use full sentences, as they're easy to remember and difficult to crack.

Once you've set up Family Sharing, how do you see your family members' shared content on your iPhone?

Sincerely,
Confused

Hey, Confused!

On your iDevice, simply go to the store that you want to download content from and find the Purchased tab. In the App Store it will be under Updates, in the iTunes Store it will be under More, and in iBooks it'll be directly under Purchased. Then select the family member whose apps, music, or books you want to browse, and from there you can download whatever you want.

How do I mirror my iMac's screen onto my TV screen using Apple TV?

Thanks,
Slideshows Are My Life

Hello, Slideshows,

So, you're about to meet your new best friend: AirPlay. Once you have your Apple TV set up, turned on, and connected to Wi-Fi, go to the menu bar on your Mac and click the AirPlay icon (a box with a triangle underneath it), then click your Apple TV name. Make sure that there's a checkmark next to Mirror Built-in Retina Display. You can also go to Apple Menu > System Preferences > Displays, and then select your Apple TV from the AirPlay Display menu at the bottom. To connect your iPhone, swipe up from the bottom of your screen for Control Center, tap AirPlay, and select Apple TV.

Note: AirPlay is compatible with Mac models from mid-2011 or later and 2nd generation Apple TVs or later.



Kenneth Boshell is a freelance writer who lives in Florida. His finely honed skills include finding great taco eateries, petting random cats, and hunting for the most delicious chocolate bar in the world. He has a ridiculously large pile of books to read, which he'd get to if he could just put down the *Black Company* and *Harry Potter* for a moment.



James
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TRENDING

THE NUMBERS

51.4 PERCENT

The portion of Facebook users who prefer to express laughter by typing "haha," whereas 33.7 percent rely on emojis and only 1.9 percent use the once popular "lol."

4 FOLD

According to a report from SwiftKey, French speakers use four times as many heart emojis than people speaking any other language.

221 TIMES

The number of times average users in the UK pick up their smartphones per day.

UNIQUE PRODUCT



Sphero Star Wars BB-8 (TBA)

Remember that cute little spherical droid (known as BB-8) that zoomed across the desert in the original *Star Wars: The Force Awakens* trailer? Well, rejoice, Star Wars fans! Sphero and Lucasfilm have joined forces to create a replica of BB-8 that you can control with your smartphone. Use your phone as a remote control to send BB-8 wherever you want, or use voice control to command the droid to patrol surrounding areas on its own.

WHAT'S HOT IN THE APP STORE



Recently (Free)

Everything is online these days—pictures, articles, conversations. But don't you miss finding paper-based publications in your mailbox? For \$8.99 per month, that's exactly what Recently does, sending you monthly magazines filled with 100 of your most recent iPhone pictures. You can let Recently compile your magazine for you, or, if you prefer a more hands-on approach, you can pick and choose the photos you're itching to see in print.



Moodnotes (\$3.99)

The makers of the hit mobile game **Monument Valley** (\$3.99) have partnered with clinical psychologists to create an app that aims to improve the mental health of its users by using principles of cognitive behavioral therapy. This journaling app has you log your emotional state by choosing the face icon that reflects your mood and adding notes about what you're doing or thinking about in that current moment. Over time, you can discover patterns and avoid habits that can lead to depression or anxiety.



Photokeys (\$0.99)

We've tried a ton of third-party keyboard apps since Apple opened up its native keyboard to developers with iOS 8, but Photokeys adds something fresh to the mix. Released in July, this app lets you create a custom keyboard color scheme from your own photos. Here's how it works: simply snap a photo or pull one from your album and Photokeys will automatically incorporate the main colors present into your keyboard theme.



Teach Your Pet to Take Selfies with PetBot

bit.ly/1UvDqZy

Who doesn't need more pictures of their furbabies? This webcam from PetBot not only lets you keep an eye on your dog when you're stuck late at work, but it also lets you dispense treats for Fido remotely and train your canine buddy to take selfies to send to you.

dog when you're stuck late at work, but it also lets you dispense treats for Fido remotely and train your canine buddy to take selfies to send to you.



Best Rugged iPhone Gear for the Great Outdoors

bit.ly/1hbP13b

When considering gear for outdoor adventures, it's good to think practically. From rugged Bluetooth speakers to waterproof cases to solar-powered chargers, all of the gear included in this roundup is durable enough to handle a wide range of off-grid escapades.



Guide to Selling Your Old iPhone on eBay

bit.ly/1NPN8XI

If you're thinking of upgrading to the new iPhone, you'll have to decide what to do with your old one. Websites such as Gazelle will buy

it from you, but eBay will often get you the highest price. This guide takes an in-depth look at the steps entailed. (Also, check out this issue's article on page 36 for more on switching phones.)

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Cover images courtesy of Apple Inc.

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CAPTION CONTEST



Illustration by Mikaila Maidment, mikailamaidment.com

YOUR CAPTION HERE

Send us a clever caption for the cartoon above, and we'll feature our favorite entries in the next issue. The winner will receive \$25! Send all captions to comics@iphonelife.com.



NOVEMBER/DECEMBER 2015 CAPTION WINNER

"Hello Mom, it's Siri. Is that babysitting job still available?"

Submitted by Dan Riordan

RUNNERS-UP:

"I should have turned my location services off!"

Submitted by Tony M. Jones

"Hey, Siri! Tell us a joke."

Submitted by Andrea Beal

Thanks to everyone who sent in their funny captions!

AROUND THE IPHONE LIFE OFFICE

What gear are you loving this holiday season?



Rheanne, Associate Editor: I'm in love with my **olloclip 4-in-1 external lens** (\$79.99), especially the macro lens option. It's not uncommon to see me sprawled across the sidewalk taking pictures of bugs and other little creatures.



Conner, Editorial Intern: I'm attached at the hip to my **BookBook Travel Journal** (\$99.99). The iPad case makes me feel like a dapper gentleman with his dusty novel of knowledge (except, instead of a novel, I'm actually toting two credit cards, chapstick, and an iPad enclosed in a deceptive leather binding).



Donna, Editor in Chief: I am slowly overcoming my phobia of hosting parties, and the **Ultimate Ears Megaboom** (\$299.99) has been great for meltdown-free holiday shindigs. It's light enough to carry from room to room, its oversized buttons make it ridiculously easy to use, and the sound quality is top notch.



Sarah, Senior Web Editor: I am yearning for a smart Crockpot like the **Belkin Smart Slow Cooker** (\$129.99) featured in Steve Boss's article (page 62). I do a lot of cooking and entertaining this time of year, and being able to do some of that cooking while I'm out running holiday errands would be a dream come true.

OVERHEARD

WHAT WE'VE BEEN TALKING ABOUT

Career Advice:

"If you can't be a jerk, why even bother coming to work?"
—Jaime, Art Director

Apple Pencil Problems:

"F— the stylus! I'm not taking a pro-stylus stance."
—David, CEO

On Recording a Podcast without AC:

"We're not only recording a podcast, but are simultaneously doing a Consumer Reports test on each other's deodorants."
—Sarah, Senior Web Editor

Cover Design Critique:

"I appreciate no creepy floating hands."
—Jaime

Writerly Woes:

Sarah: "That's my least favorite part about writing; it puts you out in the world; people know about you."

Jaime: "But you exist, Sarah."
Sarah: "Not willingly."

Employee Review Advice:

"I heard that women do not toot their own horns enough, so I was like 'I'm going to toot.'"
—Sarah

Graphic Design Zen:

"Embrace the white space,
Donna."
—Jaime

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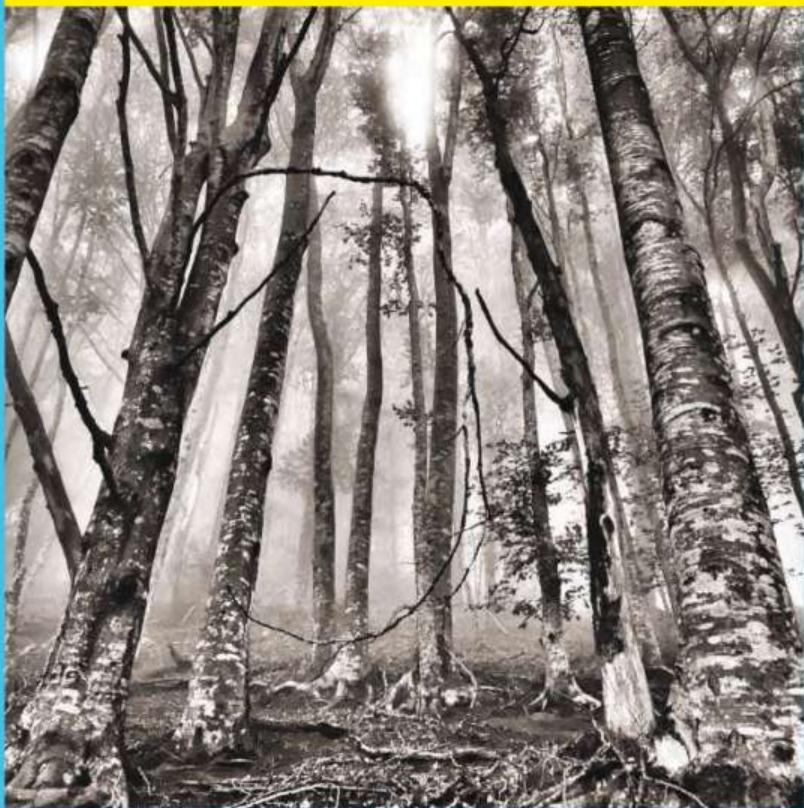
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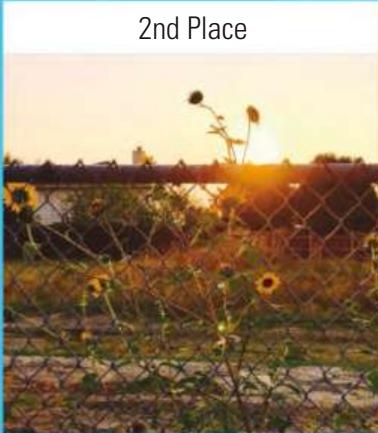
An olloclip Quick-Connect lens solution for the iPhone and iPod touch that includes fisheye, wide-angle, and macro lenses (\$79.99 value, olloclip.com).

Photo Contest 1st Place



By Ferran Sala

2nd Place



By Rachel Waterfield

3rd Place



By Masha Vessel

CONTEST WINNERS



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Reader's Choice



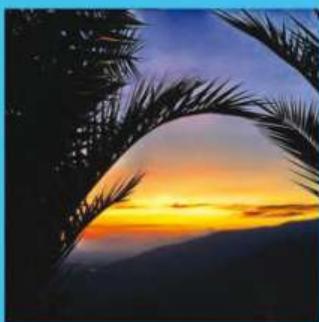
By Mike Esperza

Want to see your photo featured here? Enter your best shots at iPhoneLife.com/contest for a chance to win. Our editors will choose the top three entries, and our readers will choose our fourth and final winner by voting for their favorite images on Facebook. Our Reader's Choice and 1st Place winner will receive the olloclip 4-in-1 Lens as well as a spot in an upcoming issue of *iPhone Life* magazine.

Photo Contest Finalists



By Jodi Abner



By Maria Saquel



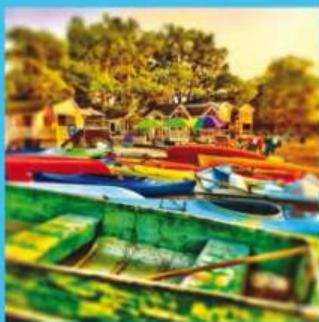
By Mike Alexander



By Nadine Viljoen



By Sheri Johnson



By Susan Rancourt



By John See



By Bryan Bennett

STAFF PICKS

IPHONE LIFE EDITORS SHARE
THEIR GO-TO GEAR & GADGETS



Name: Sarah Kingsbury

Title: Senior Web Editor

Years at iPhone Life: 2

Apple Products Owned: iPhone 6, Apple Watch Sport

Office Quirk: The longer the meeting, the farther I tend to slouch down in my chair and stretch my feet out under the table. As a result, I've accidentally played footsie with the majority of my coworkers.



Story Leather Side Flip Stand Case (\$99.99)

I like keeping the number of things I carry with me to a minimum, and I love that I can pop my iPhone, my driver's license, and a credit card into this attractive leather case and leave my purse at home. The case folds into a stand when in landscape mode, a feature I use more often than I had expected.

Trident Aegis Case (\$34.95)

There are times when minimal cases just won't cut it. When I'm hiking, working on home improvement projects, or hanging out at the dog park with my furry buddies, I know the Aegis's inner shock-absorbent plastic and hard outer shell will protect my iPhone from drops, while the audio jack and port plugs will protect my iPhone from dirt.



Evutec Karbon S and Wood S Series Cases (Starting at \$39.95)

I change my iPhone case at least once a day, and my bamboo and Karbon snap cases from Evutec are my favorites. Lined with DuPont Kevlar, these ultra-thin cases are surprisingly strong.



Boostcase (\$99.95)

I always make sure I have the Boostcase by industrial design house Carte Blanche when I know I'll be away from power for any significant length of time. The slim, stylish snap case reminds me of my favorite Evutec cases, and I love the way the 2700 mAh battery wpack easily slides on when my iPhone needs an extra boost.

SPONSORED APPS

FEATURED



Smerge

(Free)

In this fast-paced arcade puzzle game players combine squishy, dynamic blobs that grow larger when you merge them with neighboring blobs. Smerge is a unique game that everyone can enjoy. Its intuitive touch controls and fluid animations make it a breeze to pick up and play, and its skill-based scoring system gives it a competitive charm sure to captivate even the most seasoned gamers. It's a frantic race

against the clock that rewards quick reflexes and precise swipes with stunning visuals, elegant sounds, and celebratory high scores.

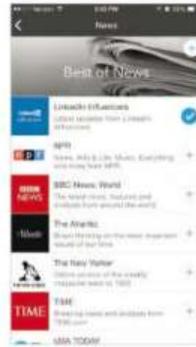


LinkedIn Pulse

(Free)

Stay up to date with trending stories in your field with this go-to news app that curates content tailored specifically to your professional life. Because Pulse organizes content based off your existing LinkedIn profile, you'll receive news based off your connections and the industry you work in. Above each article Pulse suggests to you, you'll find a blurb that explains why it's showing up in your feed. For example, the article

could be something one of your colleagues liked. If the content isn't relevant to you, simply swipe it off your screen and tell Pulse you aren't interested in that particular article—the app will remember your preferences in the future.



SPOTLIGHT



CarQuiz Math Game

(\$3.99)

This app combines the fun of a racing game with the practical knowledge of addition, subtraction, multiplication, and division. Race around the track to complete math equations and challenge yourself to a perfect score. Players earn tokens for each correct answer and can trade them in to unlock content. There are three levels of difficulty and players can review equations after each game. This game is great for children ages 5-12.



Cats Match 3 Epic

Crazy Cat Saga

(Free)

Complete levels by matching three cats in a row, all while avoiding Crazy Cat! This game is free with in-app purchases.



SQUIRRELED

(Free)

Help Squirrel prepare for winter by collecting and dividing numbered acorns in this fun math game. With each round, the challenge increases.



ZooKazam

(\$0.99)

ZooKazam is an augmented reality app that lets you interact with virtual objects in real time and view them in your environment.



Artista Impresso

(\$2.99)

Use Impresso to transform your photos into print-worthy, multi-textured, impressionist masterpieces.



QuartzCode

(\$89.99; Mac OS X Only)

QuartzCode is a useful Mac-based tool that allows iOS app developers and designers to turn animations into Objective-C and Swift code for their apps.





THE PROFESSION IPAD PRO

IN WAKE OF DECLINING SALES, APPLE TARGETS BUSINESS MARKET WITH NEW TABLET

BY JIM KARPEN

NAL

In the face of declining iPad sales, Apple announced the new iPad Pro during its September event, showing once again the tech giant's propensity for launching new devices aimed at untapped markets. Clearly with the iPad Pro, Apple has set its sights on high-level professionals. With features ranging from a 12.9-inch display with 5.6 million pixels, desktop-class A9X processor, and add-on stylus and keyboard, the Pro aims to attract a whole new class of users, in sectors ranging from design and fashion to architecture and the medical field.

Here are the features that Apple hopes will capture the imagination of the business market:

MICROSOFT & ADOBE DEMO NEW BUSINESS APPS

Microsoft and Adobe demoed new software suites designed specifically for the iPad Pro during the September announcement, driving home some of the professional applications of the supersized iPad. A Microsoft executive, showed Excel and Word running side by side on the enormous iPad Pro display, illustrating how easy it is to copy content from one app to the other.

According to Apple executive Phil Schiller, Apple designed the new split-screen multitasking capabilities of iOS 9 with the iPad Pro in mind. Apple CEO Tim Cook pointed out that the width of the iPad Pro display is near to the height of the iPad Air. That means that when you have the Pro in landscape orientation, you can run two apps side by side in full size.

The demo of the Adobe suite was especially impressive,

IPAD PRO AT A GLANCE

A9X Processor: The A9X makes the Pro faster than 80 percent of portable PCs on the market in the year prior to the Pro's launch, according to Apple.

4-Speaker Audio System: The iPad Pro has three times the audio power of the iPad Air 2.

Split-Screen Multitasking: With iOS 9, iPad users can now use more than one app at a time, a feature Apple designed with the iPad Pro in mind.

Apple Pencil: This \$99 add-on exclusively made for the Pro is pressure sensitive, allowing you to shade with extreme precision. It also takes six minutes to charge via its built-in Lightning connector for 12 hours of use.

Smart Keyboard: This \$169 evolution of Apple's original Smart Cover includes a full-size keyboard and transfers typing data with a Smart Connector instead of requiring a Bluetooth connection.

Starting at \$799 for 32 GB Model: The base model 32 GB iPad Pro could easily cost you more than a grand if you purchase it with the Apple Pencil and keyboard. It also comes in a 128 GB model for \$949, or you can pay \$1,079 for the 128 GB model with LTE cellular data.

No 3D Touch or Rose Gold Option: Fans of Apple's new 3D Touch and rose gold color option in the iPhone 6s, will be sad to see these features absent in the Pro.

showing how users can produce professional-looking documents in just three minutes. The Adobe exec created the page layout with quick gestures using Adobe Comp, altered the photo of a model using Photoshop Fix, and added a drawing using Photoshop Sketch.

These highly sophisticated suites, along with the partnerships Apple already had in place with IBM and Cisco, show how determined the iPhone maker is to bring the iPad Pro into the enterprise and to make it a tool of choice for professionals.

NEW CAMERA, MORE POWERFUL PROCESSOR, FOUR SPEAKERS

Tim Cook said that the Pro is the “clearest expression of our vision of personal computing, a simple multi-touch piece of glass that instantly transforms into anything you want it to be.”

Having a larger immersive display is clearly part of that vision for the iPad. Phil Schiller ticked off the advantages of the larger display, such as watching TV shows and playing games. He showed how the on-screen keyboard is now the same size as a full-size desktop keyboard, and how the larger display can also allow for a music keyboard with full-sized keys.

The A9X processor is nearly twice as fast as the already powerful A8X processor of the iPad Air 2. And the graphics performance is fully twice as fast. Schiller pointed out that the iPad Pro is faster than 80 percent of portable PCs on the market in the past 12 months, and that its graphics are faster than 90 percent of them. Schiller also said that the iPad Pro is so powerful that in iMovie you’ll be able to edit three 4K video streams simultaneously.

Despite this power, the iPad Pro still has a long battery life of 10 hours of continuous usage. Helping to extend the battery life is a new technology unique to the iPad Pro: variable refresh rate. That means that if you’re doing something fairly static, such as reading an e-book, the display doesn’t refresh as often. But if you’re playing a fast-moving game, it returns to its highest refresh rate.

The iPad Pro comes with a four-speaker audio system. Interestingly, the stereo effect balances left and right depending on how you’re holding the iPad. It has three times the audio power of the iPad Air 2. To top it off, the Pro also comes with a new 8-megapixel iSight camera and an HD FaceTime camera. The device is 6.9 mm thick, compared to 6.1 for the iPad Air 2 and 9.1 mm of Microsoft’s comparable tablet, the Surface Pro 3. The Pro weighs 1.57 pounds, compared to 1.76 pounds for the Surface Pro 3.

APPLE PENCIL AND SMART KEYBOARD

To extend the professional capabilities of the iPad Pro, Apple introduced an optional accessory that works exclusively with the new slate: the new \$99 Apple Pencil. As usual with Apple, it seems a marvel of engineering.

While Microsoft Surface tablets ship with a stylus, the Apple Pencil has extra sensors that can detect position, force, and tilt. Much like an actual pencil, a light touch gives you a lighter stroke, and harder pressure makes a heavier stroke.

Schiller explained that it has “low latency,” meaning that there’s no lag time between when you move the Pencil and when the appropriate markings appear on the screen—making it even more like a real drawing instrument. The tip is so precise that it can touch a single pixel.

“This is one of the most advanced technologies we’ve ever created,” Schiller said.

The Pencil will work with Apple’s apps, and Apple has created a tool for developers so they can add this capability to their third-party apps. Shape recognition was a highlight during the Microsoft demo. You can draw a rough approximation of a circle with your Pencil, and the app will automatically convert it to a perfectly formed graphic object. This feature recognizes over 20 object types. The Pencil has a Lightning connector on one end, and you recharge it by connecting it to your iPad Pro.



Another new optional accessory is the \$169 Smart Keyboard, which is like Apple’s original Smart Cover but with an added keyboard. You can configure it in several different ways: as a stand for your iPad Pro without the keyboard in sight, as a stand with the keyboard in front like a laptop, and as a simple cover similar to the original Smart Cover.

Instead of the standard Bluetooth keyboard, the Smart Keyboard connects to your iPad Pro via three small round magnetic contacts—the Smart Connector—which provides power as well as transfers data when you type. The keyboard, which is extremely thin, is covered with a fabric that provides the tension for the keys.

LOOKING TO THE FUTURE

All of these elements together—the display, Pencil, Smart Keyboard, Microsoft and Adobe suites, light weight, long battery life, powerful processor—combine to show that Apple is serious about giving the iPad new life. Even as iPad sales have been declining for six straight quarters compared to the same quarters the previous year, Tim Cook has repeatedly said that Apple is still bullish on the iPad. The iPad Pro shows that he was serious.



Jim Karpen, Ph.D., is on faculty at Maharishi University of Management in Fairfield, IA. He has been writing about the revolutionary consequences of computer technology since 1994. His Ph.D dissertation anticipated the Internet revolution. His site, jimkarpen.com, contains selected regular columns written for *The Iowa Source*. Contact him at jim_karpen@iphonelife.com.

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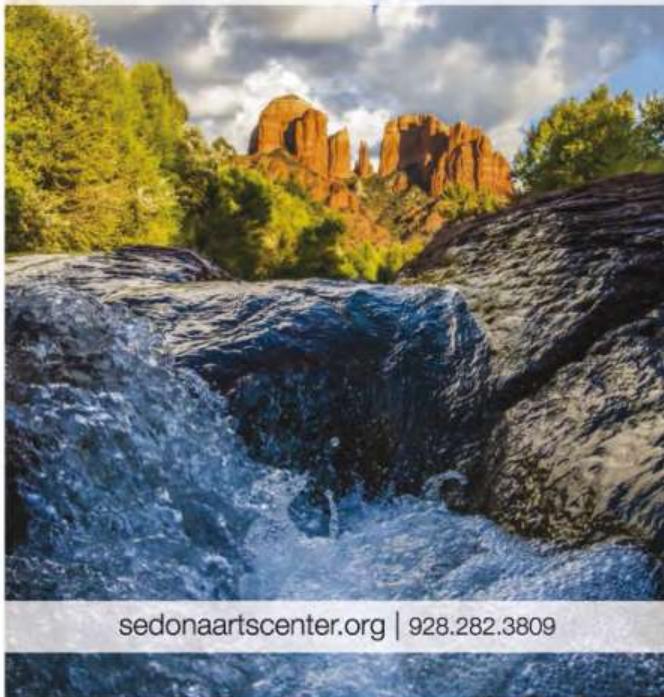
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An advertisement for iStudiez Pro. It features a blue background with icons of a laptop, smartphone, and tablet. In the center, an Apple Watch with a lime green strap is shown displaying a digital course schedule. The watch screen shows "CREATIVE WRITING" with a document icon, the time "0:36:44", and a "NEXT" section with "10:00 AM LAW AND SOCIETY Main 245". Below the watch is a QR code. At the bottom, text reads "Free cloud sync between iPhone, iPad, Mac, Windows PC and Apple Watch!"

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A person wearing a black t-shirt with the "iPhone Life INSIDER" logo is pulling open their blue shirt to reveal the t-shirt underneath. The background is dark.

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DAVID AND SARAH DEBATE WHETHER IT'S WORTH THE UPGRADE

Our CEO and Publisher David Averbach and Senior Web Editor Sarah Kingsbury enjoy disagreeing with each other every chance they get. So we thought it would be fun to have them debate whether or not it's worth it to upgrade to the iPhone 6s.

Sarah: I'm going to skip this upgrade. Some of the new features are cool, but they're not exciting enough to warrant an upgrade from what is already a really awesome phone.

David: I'm definitely going to get a new one. I feel like the new features are going to make the user experience a lot better, starting with 3D Touch. It's going to save me seconds every time I use my phone.

Sarah: I agree that 3D Touch is awesome. There is a sort of quiet delight that I experience when I figure out a new, faster way to do things, but I can wait a year.

David: 3D Touch is not enough to convince you? Saving seconds off your day isn't worth the 700-800 bucks?

Sarah: I believe I will really like 3D Touch when I get the iPhone 7, but I can wait.

David: It seems like this time around there are not a lot of

features we didn't get. I think that's why I want to upgrade. What didn't we get this time that you were hoping for?

Sarah: There was really nothing surprising, and maybe that's why I'm not interested in the new phone. It just seems like a pretty basic upgrade.

David: And the camera. You're not trying to fix your terrible photography?

Sarah: I don't think a really good camera will fix my terrible photography, unfortunately. If I were a person who was into photography, I might consider upgrading.

David: I'm excited for the camera for photography. But I feel like we do the camera a disservice by talking about it as only for photographers. The camera on the iPhone is for capturing everyday life. It's for capturing moments with your kids, capturing moments of your vacation. They don't need to be artistic. So that's not significant to you. I'm scared to bring this up because I don't think it helps my side in the debate, but Live Photos doesn't excite you at all?

Sarah: It could be fun, but it's gimmicky.

David: Yeah, it's a little gimmicky. The other thing I think is a

really big deal is the processor. And I think it's a big deal for the same reason as 3D Touch—because it makes everything faster.

Sarah: Well, I'll have to wait and play with your new phone before I'm totally convinced. First of all, I don't play graphic-heavy games; I'm not really a gamer. And sure, 70 percent faster for computing is a big improvement, but at some point, do you really even notice the extra speed any more?

David: I don't know. I'm curious to see that too. So it's not that they necessarily missed anything in particular, it's more that you're just not going to be somebody that buys a new phone every year since your current phone's already good enough. Are there any features that would have tempted you?

Sarah: I just thought of the one thing I really wanted. I want them to get rid of the 16 GB base model. Why do they still have it? Especially if you can take 4K video on your iPhone? I wouldn't call myself a power user. I have some music, I'm pretty ruthless about deleting apps I don't use on a regular basis, and I have a 16 GB phone, which was a mistake. It's too small.

TOP NEW IPHONE 6S FEATURES

3D Touch

The screen of the new iPhone can now sense how hard users are pressing on it and give vibrational feedback. With 3D Touch, you can use features such as Peek and Pop (which lets you preview content without opening it) and Quick Actions (which provides shortcuts for things like your Camera and Mail app). If you press the Camera icon, for instance, you can take a selfie, or you can press Mail to quickly check your messages or compose an email.

Updated Camera

Along with boasting a 12-megapixel iSight camera, 4K video, and wider panoramas, the iPhone 6s has introduced Live Photos, a feature that allows you to record brief moments before and after a photo is taken. When you press on your captured image later in the Photos app, it will come to life in a 1.5-second animation complete with motion and sound. The front FaceTime camera has received a big boost too. It has been upgraded from 1.2 to 5 megapixels and the iPhone's Retina display can now act as a flash for selfies.

Speedier A9 Chip

The third-generation 64-bit A9 chip is a huge step up. It can handle graphics 90 percent faster and computing task 70 percent faster than the A8 present in the iPhone 6.

David: Yeah, 4K video with only 16 GB of storage is a disaster. And 64 GB is too big. They need to add a 32 GB option. The

other thing that I was hoping for was waterproofing. They have the technology to make it waterproof.

Sarah: I would have gotten it if it were waterproof.

David: That would have been the factor that did it?

Sarah: Yeah. I've never dropped my iPhone in a puddle, but that's just because I was lucky. I've dropped it a lot.

David: One time, I was driving my moped and my phone fell out of my pocket and into a puddle. But it survived, so I guess Apple's doing something right.

FINAL THOUGHTS

David: 3D Touch is the breakthrough feature that makes upgrading to the iPhone 6s well worth the cost. While I would have liked to see waterproofing and the addition of a 32 GB base model, the pressure-sensitive screen, better camera, and faster processor make it an easy choice for me.

Sarah: The one thing you can count on is Apple adding more bells and whistles to its latest iPhone. Unless the updates are out of this world, for me, it's just not worth it to pay to upgrade my iPhone every year.

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AT LONG LAST:

APPLE TV GETS AN UPDATE

BY DAVID AVERBACH

Apple TV has long been the Cinderella of the Apple family of products—neglected, underappreciated, and waiting for the right moment to shine. Steve Jobs famously referred to the Apple TV as a “hobby,” and Apple has always treated its set-top box as such. The last major Apple TV update came out in 2010, the same year that Apple announced the iPhone 4 and the original iPad. Since then, Apple has announced five iPhones and eight iPads, but no Apple TV. Despite Apple’s neglect, the Apple TV has steadily gained traction. It currently holds a beloved place in over 25 million living rooms. But with such a long wait comes high expectations. Both investors and consumers are hoping that Apple’s new TV will revolutionize the television industry in the same way that the iPhone disrupted the phone industry. Let’s take a look at the features of the new Apple TV to see if it is the breakthrough everyone has been hoping for.

UNIVERSAL SEARCH

Movie and TV consumption have become increasingly fragmented. These days, you have to search a handful of different services every time you want to watch a movie. The new Apple TV has a universal search feature that simplifies the process. When you search Apple TV, it will return results from iTunes, Netflix, HBO, Showtime, and Hulu. In addition to adding more content providers in the search, Apple TV now lets you perform more powerful searches. You can ask your Apple TV to “Find a funny movie,” or “Find movies directed by Steven Spielberg.”

While unified search has been available with competitors like Roku and Amazon Fire TV for some time, it’s an important addition to Apple TV that will save users time and money. That being said, it’s a little disappointing that Apple didn’t add more services to its search function, such as Amazon Prime.

THIRD-PARTY APPS

Apple has finally created an App Store for Apple TV that allows users to download third-party apps. While Apple has steadily added content partners to the Apple TV for years, it has never opened up the platform to all developers. Not only does this mean we’ll finally have access to apps from long-missing content providers such as Amazon and Vudu, but we’ll also have the ability to use the device for non-TV related activities such as games, music, and shopping. When Apple opened up the App Store on the iPhone, developers thought of thousands of uses for a smartphone that no one, including Apple, could have imagined.

SIRI REMOTE

TV remotes aren’t exactly the sexiest hardware out there, but they’re important nonetheless. The new Apple TV remote replaces the clunky arrow wheel with a sleek touchpad for faster navigation and uses Bluetooth instead of infrared so you can control your Apple TV even when your dog is standing in the way (am I the only one who has this problem?).

The new Apple TV remote also has a built-in gyroscope that turns the remote into a motion-sensitive Wii-style video game controller. Apple also added a Siri button to the remote. While Siri comes in handy on the iPhone, it's a lifesaver on devices that are more difficult to navigate, such as the Apple Watch and now the Apple TV. Siri lets you simply dictate commands rather than painstakingly type them out letter by letter. Siri is particularly handy with more complicated searches. Finding action movies starring Arnold Schwarzenegger just got dramatically easier!

GAMING FOR NON-GAMERS

Many critics have commented that the Apple TV can't compete with the Xbox and PlayStation. To me, they're missing the point, since not only is the Apple TV \$200 cheaper than current consoles, but it also caters to a different audience. The Apple TV is the gaming device for non-gamers. The reason why early iPhone games such as Angry Birds and Doodle Jump captured the public's interest was not because the games were better than current console games, but because they were cheap, easy to play, and didn't require a console. The new Apple TV has a similar opportunity to create games for people who don't want to buy a console but are all too happy to drop \$0.99 on a little entertainment.

A BIG STEP IN THE RIGHT DIRECTION

The new Apple TV checked all the major boxes of what I was looking for in an update, with one major exception—content. In a 2011 interview, Steve Jobs described the reasons Apple TV and network television must be integrated, stating that until then, "You just end up with a table full of remotes, a cluster full of boxes, a bunch of different UIs," said Jobs. "The only way that's ever going to change is if you can really go back to square one and tear up the set-top box and redesign it from scratch, with a consistent UI, across all these different functions."

For the past eight years, Apple has been trying to crack this nut by convincing the cable companies to stream network television through Apple's set-top box. While rumor has it that Apple has made progress with the cable companies, it has yet to solidify a deal. The new Apple TV is a significant improvement to the existing platform. However, until Apple can convince the cable companies to partner with them, Apple TV will remain useful but limited in its functionality and market size. If Apple ever does manage to wrangle network TV providers to stream live content through Apple TV, only then will the tech giant have the opportunity to truly revolutionize the industry.



David Averbach is the CEO and Publisher of *iPhone Life* and *Android Life* magazine. David has an obsession with all things Apple. He grew up on Macs and now has a MacBook Pro, iPhone, iPad, and an Apple TV. David enjoys traveling and Ultimate Frisbee. He has been to over 20 countries. To contact David, email him at David@iphonelife.com.

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APPLE WATCH NOVEMBER



A Developer's Insights into watchOS 2

By Kevin McNeish

I've been wearing an Apple Watch for more than six months now. It's an incredible piece of technology with some great built-in apps. I truly miss it if I forget to put it on when I first wake up in the morning.

However, as a smartwatch wearer and app developer, I was disappointed at the features missing from custom Apple Watch apps. This was a direct result of the limitations Apple placed on third-party apps. Fortunately, just a few months after the watch's initial release, Apple announced watchOS 2, an update that breaks down these limitations. Here, we will explore the latest enhancements and how they dramatically improve the Apple Watch user experience.

NATIVE APPS



In watchOS 1, custom apps appeared to run on the Apple Watch, but the code for the apps ran exclusively on a connected iPhone—only the user interface was hosted on the Apple Watch. This required the code running on the iPhone to continually beam updates to the Apple Watch. In watchOS 2, apps are now native to the Apple Watch. This means the app's code runs directly on the wearable.

There are three main benefits of watchOS 2's architecture:

- 1 Apps do not require the presence of a connected iPhone in order to run. This means you can walk away from your iPhone and the apps won't stop functioning.
- 2 Apps load more quickly and are more responsive. You will no longer experience delays as you wait for your watch to communicate with the iPhone and respond to your input.
- 3 Apps now have access to far more features of the Apple Watch, such as the fitness sensors and Digital Crown, providing an infinitely better user experience.

DID YOU KNOW?

Apple Watch Connects to Wi-Fi

With watchOS 2's new Tetherless Wi-Fi, the Apple Watch can connect to known Wi-Fi networks. When connected, your Apple Watch can now perform all its functions without being in range of your iPhone.

Let's take a closer look at the impressive new features available to custom watchOS 2 apps.

ACCESSING APPLE WATCH HARDWARE

Some of the most important new functionality comes from the ability of custom apps to access Apple Watch hardware.

Digital Crown

The Digital Crown is an innovative input device that looks like the crown on a mechanical watch. You turn it to navigate a list of items, and you press it like a button to select an item. In watchOS 2, custom apps finally have access to the Digital

Crown. Developers can now choose from three styles that they can use with the Digital Crown: List style, which contains a simple list of items; Stack style, which displays a list of images with a fade-in transition animation between images; and Image sequence style, which contains a list of images without transitions.

Real estate on a watch face is extremely valuable because users see it every time they raise their wrists.

Taptic Engine

Custom apps can now tap you on the wrist to draw your attention to alerts and notifications using haptic feedback from the Apple Watch's Taptic Engine. This helps custom apps get your attention discreetly when you're not looking at your watch.

Accelerometer & Heart Rate Sensor



Apple is giving users much more freedom to mix and match the health and fitness apps they prefer. The Apple Watch accelerometer keeps track of your body movements. Custom apps can now have the accelerometer record data on their behalf even when the apps aren't running. Apps can also access the heart rate data recorded by the sensor in your watch. All this provides far more data for your favorite health and fitness apps. Additionally, all data recorded by third-party fitness apps will count toward your goals in the watch's built-in Activity app.

Speaker and Microphone

The new microphone control makes it easy for custom apps to record audio. This is a great new feature that provides another way to receive input from users. This is especially important since Apple Watch does not have a keyboard.

The software update also includes a new, built-in UI control that allows apps to play back video content. Since engagement with the Apple Watch is usually brief, this control is intended for short video clips. You can also listen to audio content with the new audio control, ranging from short sounds to longer content such as podcasts. Since part of the charm of the watch is its unobtrusiveness—even Siri is mute on Apple Watch—hopefully custom app developers will show restraint when it comes to using audio.

Complications

Before the Apple Watch, I'd never heard of complications. A complication is a traditional timepiece term for small pieces of information displayed on the watch face, such as the date, temperature, weather, and battery life.

In watchOS 2, developers can create their own custom complications. This is a big deal. Real estate on a watch face is extremely valuable because users see it every time they raise their wrists. Look for developers to take great advantage of this in watchOS 2 apps.

Apple has increased the power of complications and enhanced the user experience by allowing developers to provide complication data in the form of a timeline, which displays data more quickly. It also allows complications to participate in the new watchOS 2 Time Travel feature, in which you turn the Digital Crown to see what has happened in the past, what is currently happening, or what will happen in the future.

Animations can provide important clues to the user about how an app works.

Animations

Animations have always been one of the important selling points of Apple products. With the Apple Watch, the watch face, Activity app, Stopwatch, and Timer app (just to name a few) have great animations that enhance the user experience. In watchOS 1, custom apps could only create animations that were a series of images displayed one after another. This was extremely limiting and did not allow custom apps to display some of the more impressive animations found in built-in apps.

In watchOS 2, Apple provides developers with a brand new Animation tool kit that offers more fluid and dynamic animations that allow developers to change opacity, height, width, alignment, and colors of objects in their apps. This isn't just a

case of aesthetics. Animations can provide important clues to the user about how an app works.

If you haven't already jumped into the Apple Watch pool, the new features of watchOS 2 may just be enough to make you take the plunge.

Integration with Built-In Apps

One of the features that makes custom apps truly useful is integration with Apple's built-in apps.

In watchOS 2, Apple provides important features, such as the ability to send text messages or make phone calls from within custom apps. After sending a text or making a call, the user is brought back to where they left off in the custom app, which makes the integration seamless.

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Romantic Apps

MapKit provides the ability to start directions from a custom app. The Contacts framework gives custom apps access to the Address Book on Apple Watch, and EventKit provides access to the user's Calendar.

HealthKit allows a custom app to start a workout session. Each time the user raises his or her wrist, the watch will go back to the custom app.

CONCLUSION

Apple's OS adoption rate is always the highest by far in the industry, and I expect watchOS 2 to follow suit—especially given the incredible set of features it supports. Ultimately, if you haven't already jumped into the Apple Watch pool, the new features of watchOS 2 may just be enough to make you take the plunge.



Kevin McNeish is an award-winning app developer, software architect and well-known software conference speaker in the U.S. and abroad. He is the author of the new *iOS App Development for Non-Programmers* book series (*iOSAppsForNonProgrammers.com*) and the winner of the 2012 Publishing Innovation Award. He has spent much of his career making difficult concepts easy to understand. Follow Kevin on Twitter @kjmneish.

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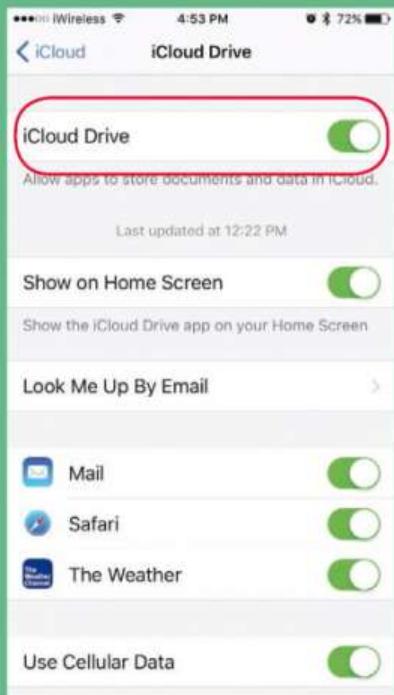
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TOP TIPS AND TRICKS FOR IOS 9

A ROADMAP TO
APPLE'S UPDATED
OPERATING SYSTEM

BY SARAH KINGSBURY

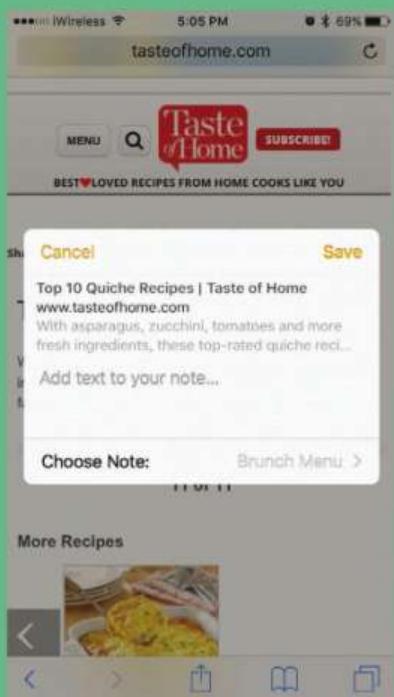
The latest version of iOS is focused on making your user experience even smoother and more efficient. With iOS 9, you can navigate between apps more efficiently, manage your battery usage more effectively, access your iCloud files more easily, and use Apple Pay more quickly. Consider these 10 tips to be your map to unearthing all the hidden treasure in iOS 9.



Add the iCloud Drive App to Your Home Screen

If you use iCloud as a way to manage and quickly access your files on any of your iDevices, you'll be happy to know that Apple has made it even easier with the addition of an iCloud Drive app. To add iCloud Drive to your Home screen,

go to Settings > iCloud > iCloud Drive, make sure iCloud Drive is enabled, and then toggle on Show on Home Screen. Now you can see all your iCloud Drive files in one place.



Add Web Pages to Notes

The Notes app got a major overhaul with the latest update to iOS. Not only did Apple add a host of cool new formatting options, but it also now lets you share relevant web pages to a note, such as links to recipes for a brunch you're hosting or design ideas

for your home renovation. To share an article you found online to Notes, tap on the rectangular share icon and then choose the note you want to share to—or you can create a new note to share to. Tap Save to add the link to the selected note.

Measuring Apple Watch Sales

By Todd Bernhard on Fri, 06/19/2015

Apple doesn't like to share the costs and sales of specific products, but that doesn't stop



Use the New Back Button In Place of the App Switcher

Have you ever tapped on a link in an email that took you to Safari or Calendar? Once you were finished with those apps, how did you get back to Mail so you could finish checking your messages? In iOS 8, you would have

double-clicked the Home button to open the App Switcher and scrolled through until you found Mail. Now all you have to do is tap the new Back Button that appears whenever you go from one app to another.

CALENDARS

Time Zone Override Off

Alternate Calendars Off

Week Numbers On

Show Invitee Declines On

Sync All Events

Default Alert Times

Start Week On Monday

Default Calendar Calendar

Events Found in Mail

Turning this off will delete any unconfirmed event suggestions and prevent suggestions from appearing in the Calendar app.



How to Disable Calendar Event Suggestions in Mail

If you receive an email with an event in it, the Calendar app will automatically create an event and ask if you would like to add it to your Calendar. If you find these suggestions annoying, you can turn this feature off. Go to Settings >

Mail, Contacts, Calendars and scroll down to Calendars. Here you can toggle off Events Found in Mail. Watch a video of this tip online!

Watch a video of this tip online! bit.ly/1ODO7d4

Battery

Low Power Mode

Low Power Mode temporarily reduces power consumption until you can fully charge your iPhone. When this is on, mail fetch, background app refresh, automatic downloads, and some visual effects are reduced or turned off.

Battery Percentage

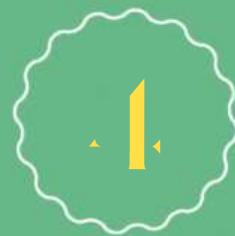
Battery percentage is always shown in the status bar in Low Power Mode.

BATTERY LIFE SUGGESTIONS

Enable Auto-Lock

BATTERY USAGE

Last 24 Hours	Last 7 Days
Safari	42%
Facebook	23%



How to Use Low Power Mode

If your iPhone battery charge drops to 20 percent, a notification will pop up asking if you'd like to turn on the new Low Power Mode. Enabling Low Power Mode turns off mail fetch, background app refresh, and automatic downloads in order to save power.

If you won't be able to get to a power source soon, and don't want to wait until you hit 20 percent, just go to Settings > Battery > and Toggle Low Power Mode on manually.

Scheduled	1 overdue
4 items due today	
Shopping List	0
Monthly Bills	5
Reminders	13
Vet schedule	2
Family	0
Shared with Tejah Kingsbury	



See All Your Scheduled Reminders in One Handy List

Previously, in iOS 8, you had to tap on the alarm clock icon next to the search bar in Reminders if you wanted to see all your scheduled reminders on a timeline in one place. Now, in iOS 9, scheduled reminders have been given

their very own list. Just open this list to see everything you've scheduled. Bonus: The Reminders app now also shows how many overdue reminders you have for each list, and they appear in your tasks marked for Today.



Home button of your locked iPhone and Apple Pay will open right on the Lock screen. To enable this feature, go to Settings > Wallet & Apple Pay and turn on Double-Click Home Button.

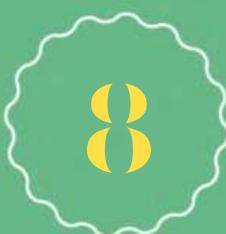


Use Apple Pay from Your Lock Screen

Using Apple Pay on your iPhone has gotten even easier with the latest version of iOS. Now instead of unlocking your iPhone and opening your Wallet app (formerly Passbook), all you have to do is double-click the

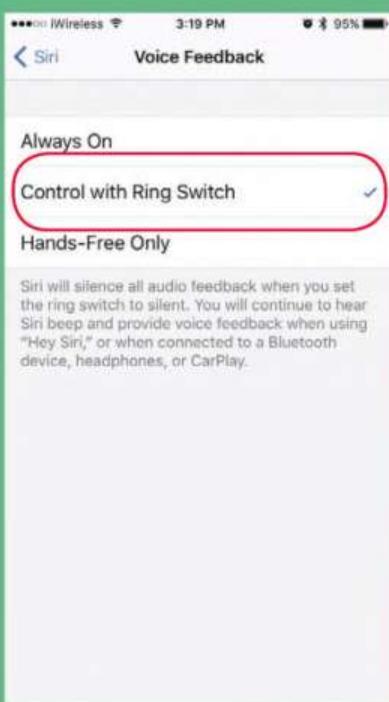


and scroll down to Battery Usage. Tap on the clock icon at the top right of the list of apps and the amount of time you've spent using each app will appear below the app name.



See How Much Time You've Spent on Each App

It's easy to lose track of time when you're scrolling through Facebook or trying to beat another level of your favorite game. Now you can see exactly how much time you've wasted on each app in the new Battery settings. Go to Settings > Battery



Feedback and choose Control with Ring Switch to mute Siri using your iPhone's ring switch.



Mute Your iPhone Ringer to Mute Siri

There are times when the sound of the digital assistant's voice is anything but music to the ear. If you're in a situation in which silencing your iPhone's ring is called for, you may want to silence Siri as well. And now you can: go to General > Siri > Voice



Use Siri to Find Photos by Location or Time

In iOS 9 Siri can search the Photos app by location or time. So if you want to see all the photos from your family vacation or the company picnic last weekend, just say to Siri, "Show me all the photos I took at Disneyland," or

"Show me all the photos I took last weekend."



Sarah Kingsbury is the senior web editor of iPhoneLife.com. She goes almost nowhere without her iPhone and is the main contributor to the site's Tip of the Day column. She has over a decade of experience writing and editing for online and print publications.

What's on iPhoneLife.com?

NEWS



FORMER GOOGLE CEO SLAMS APPLE MUSIC CURATORS

In a thinly veiled attack on Apple Music, Alphabet's executive chairman Eric Schmidt called the human curators behind streaming music services "elite taste-makers" who try to dictate music trends.

APPS



REVIEW: THE CAPTI NARRATOR APP READS YOUR SCREEN TO YOU

The Capti Narrator app reads your iPhone out loud, enabling a hands-free experience at the gym, in the car, or at the office. Sync your content across your devices, and seamlessly switch between them.

TIPS



DAILY TIPS & TRICKS FOR MASTERING IOS 9 ON YOUR IPHONE AND IPAD

From how to mute Siri using your iPhone's ring switch to how to use the iPad's new multitasking features, our daily tips are full of the information you need to fully utilize your iDevice's capabilities.

GEAR



OUTDOOR GEAR: TOP RUGGED ACCESSORIES FOR YOUR NEXT ADVENTURE

Space is limited when on the road, so it's a good idea to favor multi-functional gear that is well suited for a variety of conditions. In this roundup, you'll find everything you need for your next big adventure.





BUYING A NEW PHONE?

YOUR GUIDE TO A SMOOTH TRANSITION

BY JIM KARPEN

If you're planning to buy yourself a new iPhone, you're probably excited but also nervous about making the switch. This guide will help make the transition to your new phone seamless, from transferring data to your new device to fetching the best price for your old phone.

TRANSFERRING DATA TO YOUR NEW IPHONE

Just because you're getting a new phone doesn't mean you have to part with all of your favorite settings, iTunes and App Store purchases, app data, text messages, voicemail, and Health and HomeKit data. You can transfer everything from your old phone to your new device by backing up your iPhone

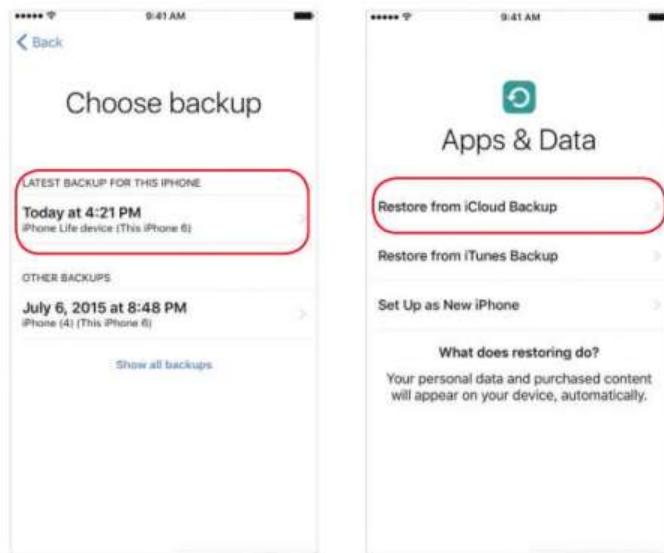
and then restoring that backup onto your new iPhone. You can achieve this in one of two ways: over the air via iCloud or by connecting your device to your computer and using the iTunes software. We'll focus on iCloud here.

BACK UP OLD PHONE VIA ICLOUD

You may already be backing up automatically to Apple's iCloud servers, but you'll want to make sure your backup is as recent as possible by going to Settings > iCloud > Backup and turning on iCloud Backup if it's not already on. When iCloud Backup is turned on, a new option appears: Back Up Now, which allows you to back up immediately as long as you're connected to Wi-Fi. Under Back Up Now, you'll be able to see when your most recent backup took place.

Before you erase your old phone, we strongly recommend that you back up your data by going into your iCloud settings and tapping Back Up Now.

RESTORE YOUR BACKUP ON YOUR NEW PHONE



Once you've backed up to iCloud, the next step is to restore the backup on your new iPhone. Turn the device on, and a setup assistant will appear that asks your language and country, if you'd like to enable Location Services, and which Wi-Fi network to connect to.

A new screen will appear that says Set Up iPhone. From the three options, select Restore from iCloud Backup. Tap Next, and enter your Apple ID and password. You'll then see a list of your recent backups. Choose the most recent and tap Restore. As you restore your backup, you'll need to enter passwords for your Apple ID, email, and other accounts.

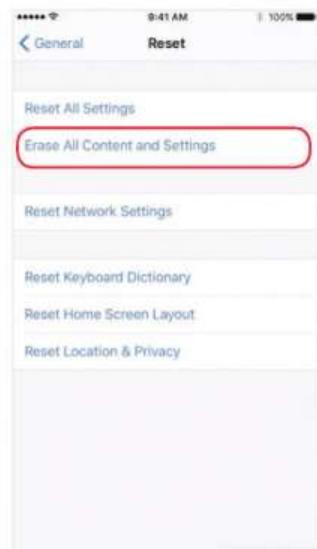
SYNC ADDITIONAL CONTENT FROM ITUNES

Using Restore will put most of your content onto your iPhone, unless you have music, videos, or apps that you didn't purchase from the iTunes Store or the App Store. To transfer those to your new device, you'll need to connect it to your computer with a Lightning to USB cable. Once you've booted up iTunes, an icon for your iPhone will appear in the upper left menu. Clicking the icon will bring up a new window with options for syncing.

PREPPING YOUR PHONE TO SELL

Once your new iPhone is up and running, it's a good time to think about selling your old phone. Options include trading it in when purchasing your new one, selling it to a service that purchases used phones, or selling it on eBay. But first you'll want to clear the data from it.

Again, before erasing your old phone, first go to iCloud Backup in settings, tap Back Up Now, and wait for confirma-



tion that the backup is complete. Then, to erase all the data on your old iPhone, go to Settings > iCloud, tap Sign Out, and confirm that you'd like to Sign Out once again. Tap Delete from My iPhone and enter your password to wipe your iCloud data from the phone. Next, go to Settings > General > Reset > Erase All Content and Settings. If you're asked for a passcode, enter it and tap Erase. This will remove everything from your iPhone, but all of your backed up content will still be available in iCloud.

If you've already sold or given away your iPhone, you can also wipe it remotely if you're using iCloud and Find My iPhone. From any web browser, log in to icloud.com/find, select your iPhone, and then click Erase. Once it's been erased, click Remove from Account.



TRADING IN OR SELLING YOUR OLD IPHONE

Apple and other brands like Target, Walmart, and Best Buy will let you trade in your old iPhone both in-store and online.

TRADING IN

You can take your iPhone to an Apple Store and get immediate credit toward the purchase of a new device. Or you can trade it in via Apple's Reuse and Recycling website, where you can get an online estimate of its value. Simply mail it in and you will receive an Apple Store Gift Card in return. Amazon also has a trade-in service in exchange for an Amazon Gift Card.

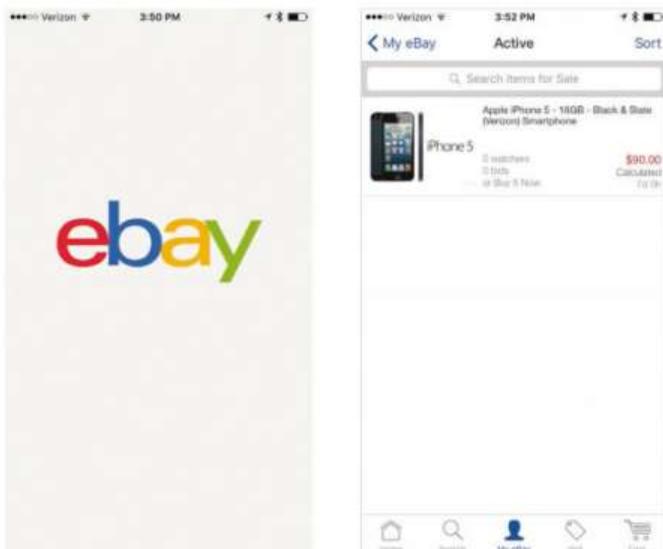
There are numerous websites that are eager to purchase your old iPhone, and Gazelle is arguably the best. This leading service has a reputation for paying quickly and making the process easy, and will even wipe your data from your device before reselling it. The process entails getting an online estimate and sending in your phone. Gazelle then inspects it and, if it matches your description, issues your payment.

uSell works a bit differently: It connects you with its network of buyers and lets you select the best offer. The process is similar to Gazelle, except that in this case the buyer, not uSell, will inspect your phone and issue the payment.

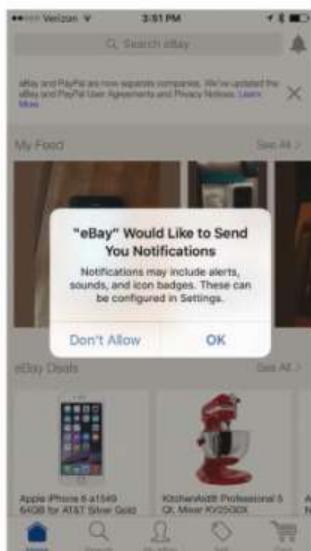
90
MILLION

According to a July report from the *Wall Street Journal*, Apple will be producing as many as 90 million units of new iPhone models in time for the holidays, up from 70-80 million last year.

SELLING YOUR IPHONE ON EBAY



While an eBay sale may be less convenient than the other services, you'll likely get the highest price for your device. It will work best, though, if you already have some experience selling on eBay so that potential buyers can see your track record. Once you've logged in, click Sell along the top menu and enter the model of your device. You'll be taken through a series of questions regarding the phone's carrier, storage capacity, and physical condition. Then you'll be able to choose whether you want to sell using auction style or fixed price. If you go with auction, the site will suggest a good starting price that will attract bidders. You can also add a 'Buy It Now' price (which you'll want to set at a higher price) to allow interested



parties to bypass the bidding process.

Your phone will be listed for a week, and if you download the **eBay** app (free) on your iPhone or iPad, you'll get notifications each time someone bids on your device. Link a PayPal account to the app so you can receive payment once the bidding is complete. Make sure not to ship the phone until the buyer pays you. While listing for your first 20 items is free, once your item sells, eBay will deduct 10 percent of the final sale price.

TIP: CASH IN WITH SECOND CHANCE OFFERS

If the winning bidder doesn't pay you in a timely manner, you can offer the phone to the next highest bidder using eBay's Second Chance Offer. In the app, navigate to the Activity tab under My eBay and select Second Chance Offer, which will be an option for 60 days after the bidding ends. You'll be able to offer one of your bidders the phone for the price of their highest bid, and you can choose how long you want your offer to last (up to 7 days).

UNLOCKING YOUR IPHONE TO GET A BETTER PRICE

If your iPhone has been under contract with a particular provider, it is typically locked, meaning you can't use it with other carriers. If you're selling your iPhone directly to someone, such as on eBay or via a classified ad, you'll get a better price if you unlock it. That way, the buyer can use a compatible provider of his or her choice.

Generally carriers will unlock your iPhone if you've completed your contract. If you have a prepaid iPhone plan, they'll unlock it after one year. You can call your carrier and ask them to unlock it, or often you can fill out a form on your carrier's website.

By following these guidelines, you can take each step of the process of transferring to a new phone into your own hands—and make the most money doing it!



Jim Karpen, Ph.D., is on faculty at Maharishi University of Management in Fairfield, IA. He has been writing about the revolutionary consequences of computer technology since 1994. His Ph.D dissertation anticipated the Internet revolution. His site, jimkarpen.com, contains selected regular columns written for *The Iowa Source*. Contact him at jim_karpen@iphonelife.com.

Read *iPhone Life* Anywhere!



The image shows three devices displaying the iPhone Life app. The central device is a large smartphone showing the main magazine cover for 'HOLIDAY BUYER'S GUIDE' with the headline 'Apple's New Lineup'. Below the headline are images of an iPhone 6s, iPhone 6s Plus, iPhone 6, and an iPad Pro. The smaller smartphone to the right shows a different page with a 'Subscribe' button and a 'How-to Guide' section. The left device is a tablet showing a table of contents for an 'iPhone 6s' issue.

iPad

100+ OF THE COOLEST NEW GADGETS PG.43
11:14 AM
90%

HOLIDAY BUYER'S GUIDE

iPhone +iPad
Best Apps • Top Tips • Great Gear

Apple's New Lineup

iPhoneLife.COM
NOV-DEC 2015 VOL. 7, NO. 6

Buying an iPhone?
Your Step-by-Step Upgrade Guide PG.36

iOS 9:
10 Best Hidden Features PG.32

watchOS 2:
Time to Buy an Apple Watch? PG.28

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HOLIDAY BUYER'S GUIDE

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A Day in THE LIFE

A Tale of Smartphone Addiction

Illustrations by Mikaila Maidment, mikailamaidment.com

Sources: Bank of America 2015 "Trends in Consumer Mobility Report," Pew Research Center "U.S. Smartphone Use in 2015" study, AT&T 2015 "Smartphone Use Behind the Wheel Survey," 2014 Tecmark survey, 2014 "Hailo Future Cities Report," "The Cotap Workplace Communications Survey 2014," American Psychological Association 2013 "Work-Related Communication Technology Survey," Inc. 2014 survey, Qualcomm Inc. "The Internet Economy in the G-20," The NPD Group 2014 "Mobile Gaming" survey.

64%

of American adults now own smartphones.

46%

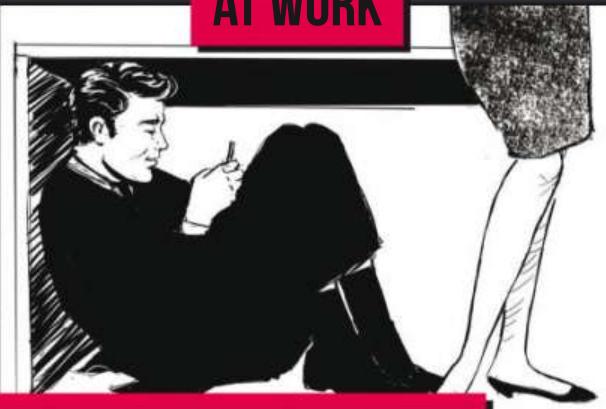
of Americans say they "couldn't live without" their devices.

ON THE ROAD



46% of users post to Facebook and Twitter while behind the wheel.

AT WORK



76% of American workers report using emojis to communicate with their colleagues.

SCREEN TIME



2 Hours

The amount of time Americans spend playing mobile games each day.

BATHROOM BREAK



61%

of people take their phones to the bathroom with them.

150 MILLION PICTURES



At the time of writing, there were approximately 150 million images hashtagged #food on Instagram.

WAKE-UP CALL!



50%

of millennial smartphone owners reported using their phones to avoid interacting with the people around them.

A LOVE AFFAIR



1/3

The fraction of Americans who would rather forego sex than part with their smartphones for a year.

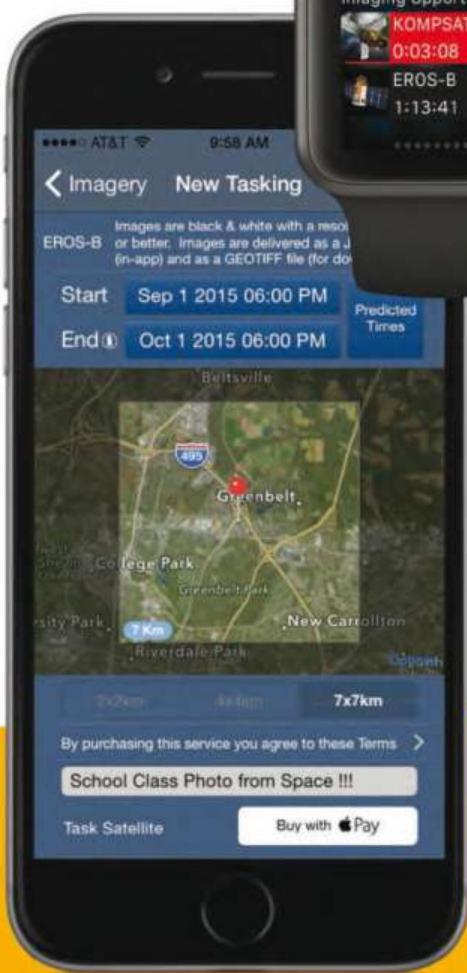
IN YOUR DREAMS



23%

of smartphone users have admitted to falling asleep with phone in hand.

DigitalGlobe
WorldView-3 satellite
30cm resolution
Rockledge, Florida, 12.13.2014
acquired with SpyMeSat



Take a satellite selfie

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THE IPHONE LIFE

ANNUAL GIFT GUIDE

For people around the world, the end of the year signals the beginning of something grand: the holiday season. That means spending cool winter nights snuggled up by the fireplace sipping eggnog and lighting candles in your frosty window, car rides to work listening to "Rudolph the Red-Nosed Reindeer," weekends baking gingerbread men, eating latkes, and, best of all, bestowing gifts on all your friends and family!

Just like you, we at iPhone Life have been busy planning holiday parties and stuffing coworkers' stockings with all sorts of techie gifts. In doing so, we've managed to compile a gift guide to help you jumpstart your own gift-giving process. So don't get stressed and resort to generic gifts like teddy bears and candy canes—we've got your back! This guide covers it all, from comparisons of top cases, speakers, and headphones to roundups of iOS-compatible cooking accessories and gear designed specifically for your iPad and Apple Watch. You'll also find a section devoted to gifting on a budget. And who knows, maybe you'll find a little something for yourself while you're at it.

SHOWDOWN

TOP IPHONE CASES

BY JACQUI LANE



Laut NOMAD
(\$24.99)

IPHONE LIFE RATING: ★★★★•

Fashion and function meet in Laut's ultra-stylish NOMAD case. The bright geometric designs are based on the iconic street maps of cities such as London, Paris, and Tokyo and are printed on a dual-layer case, which gives the sharp graphics a nice depth. The case itself is scratch-resistant and tough, and includes a screen protector to keep your iPhone safe in your pocket.

DESIGN Abstract and sharp; visually beautiful.

VALUE The most affordable of the bunch, yet also the most basic design.

DURABILITY A basic hard-shell case that's fine for everyday use.

EXTRA FEATURES None.



Trianium Atomic S Battery Case
(\$79.95)

IPHONE LIFE RATING: ★★★★•

Sometimes you need more power than the iPhone can provide on its own, and it's not always convenient to stop and plug in. The Trianium Atomic S packs a 3100 or 4000 mAH battery (for the iPhone 6s and 6s Plus models respectively) that effectively doubles the battery life of your phone. The bumper and back plate work well to protect your phone without adding bulk, and the case features an LED power indicator so you can see how much juice you have left.

DESIGN Surprisingly slim without sacrificing features or power; sports a matte, rubbery finish that feels great but has a tendency to show fingerprints.

VALUE Amazon offers great deals on this case for nearly half the suggested retail price.

DURABILITY Bumper and back plate offer protection from normal wear and tear.

EXTRA FEATURES Sync-through technology allows you to sync to your computer without removing the case.

We all know what can happen when the iPhone's sleek glass and aluminum surface hits the pavement. Keep your coveted device safe with one of these top cases of 2015.



Acme Made Charge Case
(\$49.95)

IPHONE LIFE RATING: ★★★★•

This case won't keep your phone alive on its own, but if you have a USB outlet handy it will handle the rest with its built-in lightning cable. This feature, along with the kickstand, makes it a great choice for travel. It's also impact-resistant and lightweight, offering protection and functionality in one stylish package.

DESIGN Modern look; comes in two designs: gray with an orange stripe or simple matte black.

VALUE Reasonably priced.

DURABILITY Lightweight and impact-resistant for normal daily use.

EXTRA FEATURES A kickstand with a hidden lightning cable built in.



Spigen Slim Armor CS
(\$39.99)

IPHONE LIFE RATING: ★★★★•

Featuring a sliding back compartment for two credit cards or IDs, the Spigen Slim Armor CS is a good option for minimalists who like to travel light. The case, made of dual-layer plastic, is designed for extreme shock absorption from drops and bumps, but is still thin enough to slip easily into your pocket.

DESIGN Light and stylish, with a choice of four matte colors.

VALUE Similar to other protective cases.

DURABILITY Absorbs shock very well.

EXTRA FEATURES Sliding back compartment opens to hold two cards.



After spending some time in college as a Management Information Systems (MIS) major, Jacqui realized she preferred words to numbers and ended up graduating with a journalism degree instead. Her love of all things geeky stayed with her, though, and she's found a happy medium in her career as a tech journalist.



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BE WELL

TOP 10 ACCESSORIES TO PAIR WITH APPLE'S HEALTH APP

BY BECCA LUDLUM

NOTE

The following products work with the current version of Apple's Health app, which is a repository for all of your health- and fitness-related data. Follow the manufacturer's instructions to sync data from the device to your Health app.



Kinsa Smart Thermometer (\$29.99)

The Kinsa Smart Thermometer is a great, affordable tool for the whole family. To take your child's temperature, just plug the Kinsa into your iPhone's headphone jack and launch the **Kinsa** app (free), which even offers a bubble-popping game that helps keep children calm and occupied until you

get a temperature reading. This device also allows you to take notes about symptoms and share them with other Kinsa users. Think about it—you can see if any Kinsa-using kids in your child's classroom have a fever before school begins Monday morning, or report to your doctor that seven children had pink eye last week when taking your child in for an appointment.



QardioArm Smart Blood Pressure Monitor (\$99)

Easily take and share your blood pressure with family or medical professionals. The QardioArm takes a triple measurement average of your blood pres-

sure and can also detect an irregular heartbeat. What I love most about the QardioArm is that the device fits into your hand and the cuff acts as a protective case, so it's super easy to carry around with you.



Withings Smart Body Analyzer (\$149.95)

No longer is a scale just a scale. The Withings Smart Body

Analyzer allows you to view your weight, body fat ratio, pulse, body mass index, weather, and even indoor air quality. Use the **Withings** app (free) to view your stats and import information into Apple's Health app. You can store profiles of up to eight people on the scale, which uses Wi-Fi to send statistics to your phone.

UP AND COMING



QardioCore Electrocardiogram Monitor
(price TBA)

The folks at Qardio are at it again with a new product designed for people focused on their cardiac health. You can use the monitor to record electrocardiograms, heart rate and heart rate variability, body temperature, respiratory rate, and activity and stress levels. You can even send readings to your medical professional if you choose. The QardioCore will be released later this year.



Beddit Smart Sleep Monitor

(starting at \$149)

Your sleep quality can affect a lot of things in your life—including your weight, mental energy, and even heart health. The Beddit Smart Sleep Monitor rests on your mattress, helping you keep tabs on how much rest you're getting using Bluetooth technology to pass specific information to your phone. Beddit doesn't

just track your quality of sleep, either. It has an alarm that wakes you more naturally during a light sleep cycle, offers daily tips for better rest, monitors your snoring, tracks your resting heart rate to help determine if your body has recovered from the previous day's events, and tells you how many times you got up at night. Knowing your sleep habits can help you improve them.



OvaCue Fertility Monitor

(\$199)

The OvaCue Fertility Monitor is an innovative tool for those looking to start a family. It comes with an oral and vaginal sensor to track when you're most likely to conceive. The OvaCue tracks your sodium and

potassium levels (your electrolytes) and uses that information to predict your peak fertility time up to seven days in advance. While the U.S. Food and Drug Administration has approved the OvaCue as a tool to help women conceive, the FDA has not approved it as a tool to prevent pregnancy.



Lumo Lift Posture & Activity Coach

(\$79.99)

The Lumo Lift helps monitor something we could all use some help with—our posture. The sensor—which uses angle displacement to sense when you're slouching—is designed to sit close to your collarbone and remind you to sit straighter by nudging you with a gentle vibration. Track your progress over time and set daily goals for posture and steps with the app.



iHealth Wireless Gluco-Monitoring System

(\$29.95)

For those keeping track of blood sugar levels, the iHealth Gluco-Monitoring System can make the process much more convenient. The monitor displays your

readings and also transfers them to the **iHealth** app (free) via Bluetooth, automatically generating a logbook of your blood sugar levels. The app also lets you record medications and meals and send all of your information to your doctor.



Wahoo Tickr X Workout Tracker with Memory

(\$99.99)

Capture both your motion and intensity with the Tickr X Workout Tracker. The Tickr X straps around the chest like a traditional heart rate monitor and boasts quite a few features: indoor cycling cadence, internal memory, rep counting, vibration alerts, treadmill mode, heart rate and calorie tracking, and a special training program.



Jawbone UP

(starting at \$49.99)

My personal favorite fitness tracker is the Jawbone UP. Several versions are available: the **UP Move** (\$49.99), **UP2** (\$99.99) **UP3** (\$179.99), and **UP4** (\$199.99). All UP bands provide basic step tracking, coaching tips to keep you on target with your goals, and a social app to interact with your friends and family. The UP models 2–4 provide sleep tracking, smart alarms that wake you gently during light sleep cycles, and idle alerts. The UP3 and UP4 also offer resting heart rate tracking and advanced sleep tracking. The UP4 stands alone with its wireless payment platform for American Express users.



Becca Ludlum is a blogger and freelance writer. She is the go-to gal in her circles for everything iPhone and loves finding new apps, tips, and tricks to share. Becca lives in the middle of the Arizona desert with her husband and two boys, and can't imagine life getting any better. Check out her parenting and technology blog at MyCrazyGoodLife.com.

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BEST BLUETOOTH HEADPHONES

BY SIVA OM

**Parrot Zik 2.0**

(\$399.99)

IPHONE LIFE RATING: ★★★★★

These headphones are a mind-blowing display of innovation. Acoustically, they are unrivaled in the world of Bluetooth headphones. From touch control built into the ear cups to motion detection for automatic playback, the Ziks offer a number of impressive advanced technologies that should satisfy the pickiest of music lovers.

DESIGN

Bone conduction technology for pristine voice quality on calls; touch controls in the right ear cup; motion detectors stop and start audio when you remove or replace the headphones.

SOUND QUALITY

Customizable sound quality and depth via Parrot's app; active noise-control technology eliminates 98 percent of ambient noise.

VALUE

Best value for the price; original Ziks (which sport almost identical features) sell for under \$300 on Amazon.

DURABILITY

More luxury accessory than all-terrain; well made, though not particularly rugged; battery life is disappointing, averaging only 8 hours.

EXTRA FEATURES

Touch-sensitive ear cups perform better than those of similarly designed competitors.

**A-Audio Icon Over-Ear Headphones**

(\$379)

IPHONE LIFE RATING: ★★★★★

This premium pair of headphones has an industrial aesthetic and a sturdy feel. When putting them on, it's apparent that both comfort and sound were topmost priorities for the Icon design team.

DESIGN

Ample padding in the headband, ear cushions, and speakers; unparalleled comfort.

SOUND QUALITY

Crisp, clear acoustics; extremely accurate audio reproduction; automatic noise cancellation; enhanced bass.

VALUE

While not overpriced, the Icons can't beat the overall value of the Parrot Ziks.

DURABILITY

Rugged construction; made with quality components.

EXTRA FEATURES

Comes with a miniature, rechargeable battery pack, which you can use for the headphones or your iPhone when on the move.

The audio quality of Bluetooth headphones grows more impressive as technology continues to advance. These four fan favorites effectively raise the bar of what people can expect from wireless audio.



Plantronics Backbeat Pro

(\$249.99)

IPHONE LIFE RATING: ★★★★•

Large ear cups and generous padding make the Backbeat Pros a pleasure to wear, while a whopping 24-hour playback capability makes them ideal for life on the go.

DESIGN

Simple controls consist of two hidden dials and buttons, making them one of the easier pairs of headphones to operate; automatically pauses and resumes audio playback when you remove or replace the headphones.

SOUND QUALITY

Fantastic sound with neutrally tuned drivers and active noise cancellation to dampen extraneous noise.

VALUE

A worthwhile investment.

DURABILITY

Performs outstandingly even with heavy use (after several road trips, they showed no signs of wear).

EXTRA FEATURES

Uses Class 1 Bluetooth, which claims a 100-meter range instead of the average 10-meter range used by the more common Class 2 Bluetooth speakers. In reality, I was never able to get the headphones to pick up a signal from my iPhone at such distances, making the bonus feature a moot point.



Sennheiser Urbanite XL Wireless

(\$299.95)

IPHONE LIFE RATING: ★★★★•

Designed by one of the world's leading brands, the Urbanite maintains a minimalist look and interface while bringing cutting-edge technology and superior acoustic quality to the table.

DESIGN

Big and bold plush ear cushions; a flat, wide headband with stainless steel hinges.

SOUND QUALITY

Full, rich sound; delivers exceptional acoustics and powerful bass without sounding unbalanced or artificial.

VALUE

Great quality for your money.

DURABILITY

Holds up well over time.

EXTRA FEATURES

Touch-sensitive control pad on the right earpiece is missing some of the unique bells and whistles present in the Parrot Ziks.



Siva Om is senior gear editor at iPhone Life. His interests include the arts, web design, tattooing (sacredfiretattoos.com), and journalism. Between writing for iPhone Life, creating websites (idoctechsupport.com), gardening, illustrating, and enjoying the wonders of nature with family, Siva manages to keep himself quite busy. You can reach him at sivaom@iphonelife.com.

THE PERFECT PAIR

BANDS, SPEAKERS, AND DOCKS FOR YOUR APPLE WATCH

BY DAVID AVERBACH

M
y Apple Watch and I are coming up on our six-month anniversary. In addition to making it a romantic playlist, I decided to take the opportunity to give it a few gifts. If you are also looking for the perfect accessory for your Apple Watch, check out these personally vetted accessories that will make your beloved watch more productive and stylish.

WATCH BANDS

Let's face it, Apple Watches aren't cheap. After dropping at least \$350 on the watch, it's tough to justify giving Apple an additional \$150–\$450 for a premium band. That said, your Apple Watch is on your wrist all day, and the Apple Watch sport's rubber band looks pretty cheesy when paired with a dress shirt, let alone a sports jacket. Here are a few more reasonably priced third-party solutions to help you transform your Apple Watch from a fitness device to a fashion accessory.

MonoWear Nylon Band

(\$59.99)

To be honest, I did not expect to like this band so much, but it's turned out to be my favorite to date. The problem with leather and metal bands is that they aren't as comfortable for exercising. Leather bands can't get wet and metal bands are clunky, but this nylon band is a great lightweight solution for people who want to use their Apple Watch while working out. If you only care about looks, MonoWear also makes a very nice genuine leather band for \$79.99.



Sanho HyperLink Stainless Steel Band

(\$99)

This Apple Watch band is currently a successfully funded Kickstarter campaign by Apple accessory veteran Sanho, but won't ship to the masses until November. These bands are crafted out of high-quality stainless steel and are significantly more affordable than Apple's own stainless steel band, which will set you back \$449. Stainless steel helps to class up the Apple Watch while still providing the freedom of water- and sweat-resistance.



Click Band Adapter

(Starting at \$21.99)

The Click is an ingenious little adapter that allows you to use any standard watchband with your Apple Watch. This is another

DOCKS

er successfully funded Kickstarter product that just wrapped up its production stage and began shipping worldwide. If you already have a favorite watchband or would like to expand beyond the limited selection of Apple Watch bands currently on the market, this is the perfect solution for you!

SPEAKERS & HEADPHONES

One of my favorite standalone features of the Apple Watch is its ability to play music when coupled with a Bluetooth speaker or headphone. Here are a few of my favorites.

**Monster Superstar BackFloat Bluetooth Speaker**

(\$149.95)

This Bluetooth speaker is not only waterproof—it also floats! If you are willing to risk getting your Apple Watch wet, this is the perfect speaker for a trip to the lake or pool. While the sound quality isn't amazing for the price point, if you're in the water a lot, it's a great product to invest in.

**iFrogz Tadpole Active**

(\$19.99)

This has to be one of the smallest Bluetooth speakers in the world, yet it is still loud enough to piss off your neighbors. The Tadpole comes with a carabiner, so you can easily clip it to your backpack, zipper, or belt loop. It's also water- and shock-resistant, making it perfect for adventure sports.

**Jaybird X2 Wireless Buds**

(\$179.95)

I can't tell you how nice it is to go on a run without having to strap my iPhone to my arm or deal with earbud cords bouncing around whenever I move. The X2s are lightweight, sweat-proof, and wireless, making them the ideal Apple Watch workout companion.

My desk has become a shrine to Apple charging cables, with upwards of four devices charging at any given time. Unfortunately, even Apple cables get tangled, so having a dock helps keep my room looking tidy. In addition, watchOS 2 allows you to use your Apple Watch as an alarm clock, which makes a dock on your nightstand a must.

DODOcase Charging Stand for Apple Watch

(\$99.95)

The handcrafted walnut-and-steel DODOcase charging stand classes up any room. The cord winds up the base of the stand, allowing you to simply rest your Apple Watch on the wooden platform to charge it.

**Enblue Premium One W3 Triple Dock**

(Starting at \$135)

If you're like me and buy every Apple device possible, then this charging station is for you. The W3 charges an Apple Watch, iPhone, and iPad in one elegant dock. No more tangled cords and stacked devices! Yes, it's a bit pricey, but it looks nice and keeps your room tidy. If you only want an Apple Watch stand, then the **W1** (\$65) will suffice.



David Averbach is the CEO and Publisher of *iPhone Life* and *Android Life* magazine. David has an obsession with all things Apple. He grew up on Macs and now has a MacBook Pro, iPhone, iPad, and an Apple TV. David enjoys traveling and Ultimate Frisbee. He has been to over 20 countries. To contact David, email him at David@iphonelife.com.



GLADIATOR GLASS

VS.



CINDER

WHICH SCREEN PROTECTOR WILL SAFEGUARD YOUR IPHONE BEST?

BY NATE ADCOCK

I've seen enough cracked iPhone screens over the years to know that if you don't use a screen protector, you risk seriously damaging your device. The touchscreen is arguably the most important—not to mention the most vulnerable—part of your iPhone. So how do you ensure that it stays in good condition? I recently tried out two screen protectors funded on Indiegogo. I'll be helping you decide which one is the best purchase.

Kyasi Gladiator Glass

(\$49.95 for iPhone 6)

This superb screen protector's specially designed layers of silicone, ballistic resistant film, tempered glass, and titanium alloy around the edges make it well equipped to brave the elements. The Gladiator Glass features a 9H surface hardness rating that passed both wear-and-tear and 5-foot-drop tests with flying colors. Its touch sensitivity and screen clarity are near perfection, and it sports a smudge-resistant coating that ensures your screen stays tidy. The Glass is easy to apply to your screen, though it requires a bit of patience to align properly. The screen protectors are also simple to remove and replace, and you never have to worry about leaving any sticky residue behind. (For the 6s, check out Kyasi's new 3D screen protector.)

Cinder

(\$39.99 for iPhone 6 & 6s)

The Cinder consists of 12 layers of molded Gorilla Glass with a thinness of only 0.20 millimeters. Both products in this head-to-head review are scratch- and impact-resistant, have 9H hardness ratings, and feature a smudge-resistant coating. But that's where the similarities end. While the Gladiator Glass uses titanium around the edges, the Cinder uses strictly Gorilla Glass. The Cinder's protective glass looks as natural as the iPhone's baby-smooth edges, and actually enhances the look and feel of the iPhone 6 screen. However, despite the toughness of the Gorilla Glass, the Cinder might not hold up under a major shock, as I discovered during a drop test in which the Cinder cracked after a steep fall. But in the looks department, the Cinder will score higher marks with a lot of users.

THE VERDICT

The Gladiator Glass edges out the Cinder with its many protective features. I feel a little safer knowing that I have the extra titanium foundation of the Gladiator Glass protecting my screen's perimeter for those extra tough drops.



Nate Adcock is a system and integration engineer with experience managing and administering a variety of computing environments. He has worked extensively with mobile gadgets for many years. He is also a former military weather forecaster. Nate is a regular contributor for the iphonelife.com and smartphonemag.com blogs. Read more from Nate at natestera.drupalgardens.com or e-mail him at nate@iphonelife.com.

- New iPhone® 6 & 6S 3D Screen Protector
- Made with Corning® Glass
- Works with new 3D Force Touch
- For iPhone® 6/6S and 6/6S Plus

▼
Edge to
Edge
Design



▼
3D Tempered Glass

To save up to 50%
check out <http://bit.ly/iphone-life-vip>



www.kyasi.com

Available from Fine Retailers or Online

GIFTS UNDER \$100

GREAT GEAR THAT WON'T BREAK THE BANK

BY SIVA OM



mophie powerstation PRO (\$99.95)

This is my go-to charger any time I go off-grid or travel for an extended length of time. With a 6,000 mAh battery, the powerstation PRO delivers enough power to charge an iPhone more than once and your iPad sufficiently to get extra hours of use from it. It's small and lightweight enough to comfortably carry around in a pack or a pocket, and it is both shock- and water-resistant, so it travels well most places.



Kenu Airframe+ Car Mount

(\$29.95)

The Kenu Airframe+ is the most straightforward car mount you'll find, making it a practical gift for all of your iPhone-toting

friends. The Airframe+ sports a swiveling clip that allows you to simply slip it over your car's air vent fins and voilá—no magnets or sticky adhesives necessary. And with its adjustable arms, this car mount can accommodate devices up to six inches wide, meaning it works with all current iPhones—even if they're strapped into a thick, protective case.



SCOTTeVEST Hoodie

(Starting at \$75)

SCOTTeVEST makes apparel that doubles as a well-organized mobile accessory carrier. This particular hoodie comes with 10 different pockets (which is more than most people can fully utilize) and offers a unique weight distribution system that keeps weight evenly balanced across your shoulders and upper back. And thanks to the SCOTTeVEST's well-placed, low-key pocket design, you can carry around a ton of gear (such as your iPhone, a backup battery, headphones, and water) without looking like you are loaded down.



Kisha Smart Umbrella

(\$75)

While far from essential, this gift will definitely win you some creativity points. The Kisha Smart Umbrella sends a daily weather forecast to your iPhone via Bluetooth and reminds you to bring your umbrella if there is a chance of rain. It also lets you know if you inadvertently forget your umbrella in a public place by sending you a notification when you leave its proximity.



Ten One Design Pogo Connect 2

(\$79.95)

Just like a Bluetooth keyboard can make typing on an iPad or iPhone much faster, a great stylus like the Pogo Connect 2 can make writing and drawing on your iDevice much easier. There are a number of awesome productivity apps available in the App Store that allow you to put this pressure-sensitive stylus to good use, whether you're sketching, creating digital paintings and illustrations, or taking handwritten notes that can be transcribed into type.



SteelSeries Stratus Gaming Controller

(\$49.99)

As gaming continues to gain traction on the mobile platform, many core games such as Modern Combat 5 have begun to support wireless game controllers. A great choice for the gamer in your life, the Stratus is easily one of the best

Made for iPhone (MFi) controllers on the market. The Stratus not only brings the familiar joystick and physical buttons to iOS, but it also shrinks the size of the controller to mobile-friendly dimensions—about the size of a tin of mints.

SteelSeries Siberia V3

Headphones

(\$99.99)



Professional gamers are a notoriously demanding bunch. By default, you know that a pair of headphones by the gaming accessory maker SteelSeries is going to offer superior comfort and audio quality. The Siberia V3s are a steal of a deal for a pair of over-ear headphones, gaming or otherwise.

With their plush suspension and audiophile-grade acoustics, these headphones are a guaranteed win for any gamer on your list.



iHome Kineta K2 Bluetooth Stereo Alarm Clock Radio

(\$99.99)

The Kineta K2 adds a techie twist to your classic radio alarm clock. A great addition to any bedside setup, the K2 delivers astounding acoustics in a relatively small package. Along with dual alarm support and six preset FM radio stations, the K2 lets you stream audio wirelessly from your iPhone or iPad, and even serves as a capable speakerphone, thanks to its built-in mic. One of its most defining features is a cylindrical rechargeable battery that clicks into the body of the speaker. Plug your iPhone in to it for overnight charging and bring it with you in the morning for an extra boost of portable power throughout your day.

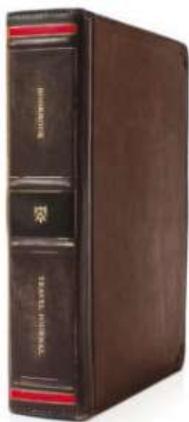


Siva Om is senior gear editor at iPhone Life. His interests include the arts, web design, tattooing (sacredfirerattoos.com), and journalism. Between writing for iPhone Life, creating websites (idotechsupport.com), gardening, illustrating, and enjoying the wonders of nature with family, Siva manages to keep himself quite busy. You can reach him at sivaom@iphonelife.com.

MUST-HAVE IPAD GEAR

STANDS, CASES, AND CONTROLLERS—OH, MY!

BY CONNER CAREY



Twelve South BookBook Travel Journal

(\$99.99)

It seems ironically fitting, as the paper book's popularity fades, that we should carry our tablets like undercover agents within the classy, zippered facade of an old novel. With space for your iPad, power cords, headphones, and more, the BookBook Travel Journal aims to replace the everyday briefcase. At this, Twelve South nearly succeeds, depending on the size of your earmuff headphones. There is talk of fragile stitching not holding the leather exterior together over time, but I'll take my chances: carrying technology around in a book just feels right.

Logitech Type+ Protective Case with Integrated Keyboard

(\$99.99)

Perhaps I'm old fashioned, but I like the feel of receding keys beneath my fingers when typing. I've tried jelly keys in the past and quickly returned to my Macbook. The Type+ Case is easily connected via Bluetooth and boasts a smaller width than a standard keyboard; however, once your hands are accustomed to



the snug placement of keys, it's easy to forget you're typing on the iPad at all. The keyboard is plastic, so handle with care; however, I've used mine for a year without any problems. For writing and business, there is no other keyboard I prefer.



Ten One Design Mountie for iPad

(\$19.95)

Though I originally set out to review Ten One Design's Magnus Stand, I also received the Mountie, a side-mount clip that latches your iPad to your Macbook, giving you screen-by-screen attachment. I fell in love with the Mountie immediately. After figuring out which rubber insert fit most snugly with my devices, I easily secured my iPad into place and reveled in the possibilities. Whether you're writing, editing video, or mobile conference calling, with the Mountie, it feels as though you have two desktop computers working as one. Want to take it a step further? Use your iPad as a second screen for your Macbook with the **Duet Display** app (\$15.99).



SteelSeries Stratus Wireless Gaming Controller

(\$49.99)

Touchscreen gameplay introduced me to a whole new level of frustration. I marvel at the gorgeous programming of even the simpler games, yet nearly pull my hair out trying to control the car or character parading about that's ultra-sensitive to every light touch of my hand to the screen. In waltzes Steel-Series' Stratus, designed specifically for gaming on the iPad. Any person who's played consoles consistently will appreciate the familiar design. Best suited for smaller hands and ideal for portability, the Stratus supports various apps, including market favorites such as Final Fantasy and Call of Duty.



iskn iSketchnote Pack

(\$179)

A child of the crowdfunding revolution, this Kickstarter project is ingenious for the artist or writer with an iPad. The pack includes a slate, two pens, and a cover. One can set his or her personal notebook on the slate, write or draw, and watch the iPad screen mirror the creation. Perfect for digital artistry, the iSketchnote is selling like hotcakes fresh off the griddle, and, considering how brilliantly simple it is, it's also relatively affordable.



Adonit Jot Mini

(\$19.99)

With endless stylus options on the market, I went searching for simple precision in a lightweight stylus that imitates

an elegant pen and came upon the Jot Mini. Its biggest drawback is the blunt plastic piece on the tip, known as the Precision Disc, which is there for writing stability. The disc is slightly flimsy, although it affords a nice balanced feel when writing on the screen, and the Jot Mini twist-off cap (which also twists onto the opposite end) should keep the disc safe when not in use.



Miselu C.24 MIDI Keyboard

(\$279)

As wide as the iPad is long, the C.24 MIDI Keyboard is a musician's dream. Any musician who travels a lot knows how annoying heavy baggage at an airport can be. Boasting a two-octave keyboard and the ability to combine multiple MIDI tracks into one, this Kickstarter graduate makes on-the-go music creation much more feasible. Its ultra-portable design makes it perfect for impromptu bursts of inspiration when you're away from your conventional piano, and it works with over 500 different apps.



FaviEntertainment Pico+ Pocket Projector

(\$349.99)

Do you remember classic projectors? The old, clunky ones teachers still wheel into classrooms, barely avoiding desk corners as they're pushed into place? Yeah, me too. Which is why the Pico+ Pocket Projector caught my attention. Not much larger than a smartphone, this is ideal for on-the-go presentation needs.

The setup directions are confusing and the fan is slightly loud when audio isn't playing; however, the picture boasts up to 1080p resolution and the versatility of viewing options (with support for Wi-Fi, HDMI, SD card, and USB) is exceptional. While it doesn't replace a full-size projector, the Favi Pocket Projector is perfect for family movies on the lawn, roundtable discussions, and lightweight business travel.



Conner Carey is an editorial intern at iPhone life and the co-founder and director of the Soapbox Speakeasy poetry and performance workshop. She holds a bachelor's in English with an emphasis in Creative Writing from Maharishi University of Management and resides in Fairfield, Iowa. Her personal blog can be found at connerleecarey.com.

BEST BLUETOOTH SPEAKERS

BY SL SAYLES



Sonos Play Series
(Starting at \$199)

IPHONE LIFE RATING: ★★★★•

A high-quality home audio system is likely to be an investment, and your money will be well spent with the Sonos Play Series. The Play:1 is great for filling a small space with crystal-clear sound, while the larger Play:3 and Play:5 are designed to fill larger areas, such as your living room or kitchen. You can easily pair any Sonos Play Series speaker for a stereo effect and can control the speakers individually from your iPhone.

DESIGN Basic yet modern design complements most surroundings.

SOUND QUALITY Exceptional sound with no pops or static as volume increases.

VALUE Reasonably priced for a complete home audio system.

DURABILITY Humidity-resistant; high-quality construction.

EXTRA FEATURES Offers preloaded Internet radio stations; easy to integrate with other Sonos speakers throughout your house; iPhone app lets you play different songs in each room.



Sony SRS-X11 Ultra-Portable Bluetooth Speaker
(\$59.99)

IPHONE LIFE RATING: ★★★★•

When you want to make a statement, the cleanly designed, colorful, and feature-rich Sony SRS-X11 has you covered. It certainly caught our eye—and our ear.

DESIGN Portable size; variety of color options available; super-sleek rounded corners and bright speaker screens.

SOUND QUALITY Although it's surprising how much sound the SRS-X11 can emit, it's still the tinniest of the speakers we reviewed. Still, for its size, it's one of the better-sounding mini speakers on the market.

VALUE Priced similarly to other Bluetooth mini speakers.

DURABILITY Not particularly durable, but construction quality is high.

EXTRA FEATURES Equipped with speakerphone; easy Bluetooth connectivity; 12 hours of battery life; can be paired wirelessly with a second SRS-X11 speaker.

We've unpacked four of today's most popular speakers—ranging from the most portable to complete home audio systems—comparing them side by side to help you make a more educated purchase decision.



Bose SoundLink Mini II

(\$199.95)

IPHONE LIFE RATING: ★★★★☆

If sound quality is your top consideration, you simply will not find a better choice than Bose. The elegant SoundLink Mini II has all the richness and depth of Bose's larger, more expensive options, as well as some other key features that make it stand out.

DESIGN

Simple and unobtrusive, this portable speaker fits easily in any room or can be taken with you on the road.

SOUND QUALITY

Rich, high-quality sound at any volume.

VALUE

Priced on the higher end of mini speakers on the market, but you get what you pay for.

DURABILITY

Colorful speaker covers provide extra protection against scratches (sold separately).

EXTRA FEATURES

Equipped with speakerphone; 10-hour battery life; easy-to-use Bluetooth connectivity.



Altec Lansing Life Jacket 2

(\$149.99)

IPHONE LIFE RATING: ★★★★☆

Ultimate portability can be yours with this heavy-duty, ultra-durable, floatable speaker. Designed for the active outdoor-spersion, this speaker can literally go everywhere with you, whether you're rafting down the river, camping by the ocean, or making your way to the top of Mount Everest.

DESIGN

Limited color options; designed for durability rather than eye-catching aesthetics.

SOUND QUALITY

Good sound; clear without being too tinny; pops a bit at higher volumes.

VALUE

More expensive than other Altec products, but you're paying for outstanding, industry-leading durability.

DURABILITY

Completely waterproof and dust-proof.

EXTRA FEATURES

Includes a speakerphone; has a power bank to remotely charge your other devices; 16 hours of battery life.



SL Sayles is a public relations specialist, web developer, freelance writer, and teacher in southern New Mexico. She is an avid gamer and iPhone fanatic. When she's not pursuing one of her tech interests, she writes and directs plays.

TECHIE EATS

CONNECTED ACCESSORIES FOR THE IPHONE-TOTING CHEF

BY STEVE BOSS

The term smart kitchen is a misnomer. Sure, there are a number of smartphone-connected appliances we can purchase these days, but, ultimately, the real power of cooking lies in having a smart cook. A truly smart cook builds a kitchen environment with the right tools in mind—designed to serve up delicious, nutritious meals in an efficient, relaxing, enjoyable manner.

Believe me, I, too, have a tendency to get wowed by new gadgets, buy them, and then throw them into a storage room after the honeymoon-phase has ended. The following smart tools, though, have proven their worth, and assist me in becoming a smarter cook.

Anova Precision Cooker

(\$179)

If you enjoy sous vide cooking—a method which uses a circulating water bath to cook food at a precise temperature for a specific length of time—then the Anova Precision Cooker will completely revolutionize the way you cook. I advise starting out with a chicken breast. That first juicy bite will have you hooked.

The Anova device consists of a wand with a heating and circulating element, a timer, Bluetooth connectivity, and an adjustable clamp that holds the wand in place when attached to a pot. Just fill the pot with water to the proper level, place food in a food-grade plastic bag or canning jar (depending

on exactly what you are cooking), press a button to turn the unit on, dial in the temperature and cooking time, and, if you like, monitor the cooking process via the **Lenova** app (free). The app spotlights an ever-expanding variety of recipes, some from

the culinary experts at Serious Eats (serious eats.com). Also, the **ChefSteps** app (free) has terrific sous vide recipes and tips to make the process even easier.



Crock-Pot 6-Quart Smart Slow Cooker with WeMo

(\$169.99)

A slow cooker is perfect for those of us with fast-paced lifestyles. Whether it's soup, chicken, chili, or peach cobbler you're cooking, what could be easier than assembling the ingredients in a pot before work, flipping a switch, and coming home to a finished dish? The WeMo-enabled cooker takes the slow-cooker experience to the next level. Simply pair the cooker with your iPhone using Wi-Fi and the **WeMo** app (free) and adjust your Crock-Pot from work, the gym, or wherever you happen to be online. To ensure that baked potato, chicken, or roast gets the right start, pair the cooker to your phone before leaving the house, and start the cooking process on high. Then,



using the app, turn down the cooking temperature if needed, so that the food is cooked according to your schedule.

Note: I had a difficult time pairing the unit with my iPhone, and had to contact WeMo customer service. If you encounter the same issue, move the Crock-Pot close to the router, and it should connect easily. Afterwards, you can move the Crock-Pot back to another location.



iDevices Kitchen Thermometer Mini

(\$39.95)

Hungry to impress your friends? Want to follow USDA safety standards and avoid overcooking your chicken or steak? Try the Kitchen Thermometer Mini. This single probe with attached colored probe indicator works on the stove top or in the oven and is built to withstand temperatures up to 572° F (but don't expose it to an open flame under the broiler).

The thermometer is exceedingly simple to use—all you have to do is activate Bluetooth on your mobile device, open the **iDevices** app (free) to monitor the internal temperature of your food, stick the probe into whatever you are cooking and tap the colored probe indicator. The unit takes up virtually no space, and the color indicator system on the base displays how the cooking process is progressing. If you are working in another area of the house, the 150-foot reach of the Bluetooth signal is a real plus for remote monitoring through the app.



iDevices iGrill Mini

(\$39.95)

The iGrill Mini operates essentially the same way the Kitchen Thermometer Mini does—the only difference is that the iGrill Mini is a bit more rugged for outdoor use. Like its big sister, the iGrill 2, the iGrill Mini sports a 150-foot Bluetooth range and a professional-grade thermometer probe. Attach the iGrill Mini to your grill with the included magnetic disc, and serve up perfectly grilled steak that you can monitor from your iDevices app.

TRY GRILLING SMOKIN' HOGGZ STYLE

Wow family and friends alike with results the competition BBQ team Smokin' Hoggz would be proud of. Learn their tips and order their legendary sauce at smokinhoggzbbq.com.



Drop Kitchen Scale

(\$99.95)

The Drop Kitchen Scale is a tool that coaxes out your inner baker. I actually felt a sense of confident ease while using it that has never been part of my baking mindset. The scale works in tandem with the **Drop Kitchen** app (free; iPad only), which offers a wide variety of recipes, each providing an ingredient card that walks you through each step of the baking process. Along the way, you can resize the recipe if you are short on a particular ingredient or tap Replace Ingredient to see alternatives.

The ability to add your own recipes makes the scale and app an invaluable addition to any kitchen. The scale can also weigh ingredients like any other kitchen scale, handling items weighing anything from under a gram to six kilograms. And as you add each ingredient, the Drop Kitchen app screen continually monitors your actions, automatically moving to the next step once you complete the previous one.

Most of the recipes available in the app—including my favorite dish, the chocolaty, gooey, sinful No Bake Brownies—were created by Drop's in-house culinary team. *Food 52*, *Saveur*, and *Good Housekeeping* also contribute recipes as active partners with Drop.

Challenge yourself. Organize the kitchen so that your cupboard, refrigerator, and kitchen tools—smart or not—provide the maximum creative environment for you, your family, and friends to create and experience new tastes at every meal.



Steve Boss is the host of *Great Taste*, a weekly radio show about food on KRUU 100.1 FM in Fairfield, Iowa. The show streams at kruufm.com on Wednesdays at 7 p.m. CT and Fridays at 7 a.m. CT. If you have any favorite food apps, drop him an email at greattaste@kruufm.com.

COZY UP

6 SMART GADGETS TO DECK OUT YOUR HOME

BY JACQUI LANE



August Smart Lock

(\$249.99)

You can't always be home to open the front door, but leaving a key under the rug isn't the safest home security strategy. The August Smart Lock connects to your smartphone via Bluetooth to instantly unlock your door for you and selected guests. You control who comes and goes with the accompanying app, enabling or disabling access as needed for visitors—such as babysitters, repair personnel, or family members—who need to enter your house. You'll receive a notification when people enter and leave, a great feature if you have guests coming in from out of town or latchkey kids who get home before you. The lock runs on AA batteries and has a standard keyhole for backup, so you won't be locked out if there's a power outage or your phone is dead.



iSmartAlarm Package

(Starting at \$199)

From the initial purchase to the monthly fees, home alarm systems are often an expensive but necessary proposition. iSmartAlarm changes the game by offering affordable packages to help jumpstart your home security system, which include motion and contact sensors, cameras, and a dongle that lets you disable the system without your phone as well as track your kids or pets. Best of all, there are no monthly fees, and you can continue to add products onto your system over time. You can also monitor everything yourself using the free **iSmartAlarm** app. If an alarm is triggered, you'll receive a text message as well as an automated phone call alerting you, and from there you can call the police yourself. It's not as heavy duty as the services that offer live, around-the-clock monitoring, but it's a legitimate, reasonably priced alternative.



Quirky + GE Aros Smart Air Conditioner

(\$249)

You don't have to have central heating and cooling to enjoy the benefits of app-enabled climate control. The Aros, born from a partnership between Quirky and GE, is a sleek, modern take on your classic window AC with a home automation twist. It works with the **Wink** app (free), allowing you to control and monitor your usage from anywhere, and it also learns from your usage history to maintain the proper temperature for every situation. If energy consumption is a concern, Aros also has you covered in that regard—it monitors how much you've spent on cooling and suggests money-saving settings based on your usage and the weather report.



June Intelligent Oven

(\$1,495)

June is a countertop oven, but it's a far cry from the toaster ovens you're used to. This smart appliance uses a camera to identify what you're cooking and a built-in scale and temperature probe to make sure it's cooked correctly every time. It connects to your Wi-Fi network, so you can start preheating it before you get home, check the progress of your food with a live video stream, and even receive notifications when your dinner is done. It's designed to be both beautiful and functional, with a five-inch touchscreen and a small physical footprint that, nonetheless, holds dishes up to 11 x 16 inches in size. June doesn't ship until Spring 2016, but it's available now for preorder, making it a holiday gift that your friend can look forward to getting in the mail.



Wally

(\$299)

Early detection is the key to containing water leaks before they become expensive plumbing emergencies. Wally serves as your eyes inside your walls, forming a network of sensors that connect and communicate with one another to detect and identify moisture and changes in humidity levels that could indicate a leak. When a leak occurs, you receive a clear, easy-to-understand notification that tells you exactly where to look. The app allows for constant monitoring, with a simple dashboard that displays the temperature and humidity levels of all of your sensors and provides a history of incidents so you can keep track of patterns.



Nest Product Line

(Starting at \$99)

Nest's smart thermostat is the best-known gadget in its product line, but it's not the only member of the Nest family worth your attention. The company recently relaunched the Nest Protect, a smart carbon monoxide and smoke detector, and the Nest Cam, which is a security camera. The Nest Protect offers peace of mind while you're away by notifying you if an alarm is triggered; if it's just a false alarm, you can easily silence it using your iPhone. The Nest Cam offers crystal-clear 1080p video, with motion and sound detectors that alert you to activity when you're not watching and a speaker and microphone for back-and-forth conversations. Nest products are designed to work together; for example, if a carbon monoxide leak is detected by the Nest Protect, it will trigger the thermostat to shut down your furnace, and if you have a Nest Cam installed, it will send you a recording of the emergency.



After spending some time in college as a Management Information Systems (MIS) major, Jacqui realized she preferred words to numbers and ended up graduating with a journalism degree instead. Her love of all things geeky stayed with her, though, and she's found a happy medium in her career as a tech journalist.

FEATURED iUSER: CJ Johnson



Location: Los Angeles, California

One-Line Bio: CJ Johnson is an award-winning photographer, filmmaker, and entrepreneur, specializing in fashion, tech, and entertainment. He is also the head of creative and marketing for the app-based moving service Buddytruk. For more on CJ Johnson, visit cjjohnsonjr.com.



Twitter: My primary audience is on Twitter. I use this app to share my work and thoughts on current issues.



Facebook: I use Facebook to check the pages I'm an administrator of, and, of course, I use it for my personal account too.



Dropbox: I use Dropbox to store and share images and videos for clients, so it's imperative that I keep this app on my Home screen.



Instagram: With Instagram, I'm able to share visual snippets of my life with my audience. I also find inspiration by browsing through all the beautiful images the Instagram community has to offer.



VSCO Cam: This app is essential for any iPhoneographer. I use it to color process my photos and share them with other users via the VSCOgrid. I also share short essays on my VSCO Journal.



Buddytruk: As marketing director at Buddytruk, I like to check in with the app to make sure everything is functioning properly for users.



Snapchat: I use Snapchat to offer glimpses into my life by using the My Story and LA Story options so people can see what a typical day is like for me.



Evernote: I use Evernote primarily for note-taking, keeping track of tasks, and communicating with my assistant about various projects.



Gmail: I use Gmail for my business email at Buddytruk, so it's smart to have it at my disposal.



Shazam: I love music, and if I hear something I'm unfamiliar with, I'm quick to ask Shazam what song is playing.

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RISE OF THE



MOBILE ACTIVIST

HOW MOBILE TECH IS CHANGING SOCIAL MOVEMENTS

BY ALEX CEQUEA

In 1992, I was a kid growing up in one of Venezuela's largest cities, and I remember being in shock as I watched Caracas's Miraflores Palace, which houses the country's presidential offices, get bombed by tanks on live TV. Hugo Chavez, then a revolutionary, had attempted to assassinate the president of Venezuela, Carlos Andres Perez, and overthrow the Venezuelan government. Ultimately the coup didn't succeed, but Chavez cleverly told his people via live TV that he had failed, "Por ahora," meaning, "For now." "Por ahora" became the rallying cry of Chavez's supporters, and it paved the way for Chavez to run for and become president only a few years later, in 1998. This experience showed Chavez how influential the media could be, and once in power, he relentlessly used every media avenue to drive home his populist message.

THE DAWN OF SOCIAL MEDIA AND MOBILE ACCESS HAS USHERED IN A NEW WAVE OF CONNECTED CITIZENSHIP, AND WITH IT, A THREAT TO ESTABLISHED REGIMES.

The ability to mobilize people around a cause has been at the heart of humanity's progress since the dawn of time. Let's take a look at some of the movements and regimes that have been affected by this new rise of mobile activism—from the Arab Spring to the ALS Association—and dive deeper into what it means for the future of social change.

A THREAT TO ESTABLISHED REGIMES

Like Chavez and the Venezuelan government, established regimes are in a constant battle to take control of the message. The dawn of social media and mobile access has ushered in a new wave of connected citizenship, and with it, a threat to established regimes. In early 2011, in the midst of the Arab Spring—a democratic uprising marked by a string of anti-government protests and demonstrations that took place in the Middle East—Egypt shut down the country's access to Twitter and Facebook, which activists were using as a means of organizing protests in major cities. A couple of days later, the Egyptian government took the unprecedented step of shutting down the entire country's Internet access and cellphone service, lowering data traffic in and out of Egypt by 90 percent. Libya and Syria followed suit in the months following the unrest, in an attempt to quell dissent from the growing mobs of disenchanted civilians. According to The Organization for Economic Co-operation and Development (OECD), Egypt's Internet outage cost their economy \$90 million in lost revenue from Internet-dependent businesses.

"THE POWER OF MOBILE TECH IS THAT IT OPENS UP NEW AVENUES FOR INTERACTION THAT WEREN'T POSSIBLE BEFORE."

Social media tools combined with mobile access have proven to be an empowering weapon of change for people ready to take action against perceived injustice. Mark Hand, Adjunct Assistant Professor of Social Entrepreneurship at the University of Texas in Austin, says, "The power of mobile tech is that it opens up new avenues for interaction that weren't possible before." The free-flowing nature of the Internet means that once this power is at the hands of the people, it's virtually impossible to take back, unless the government is also willing to suffer the economic risks that come with cutting off a country's access to the Internet.

BATTLING INJUSTICE AND RAISING AWARENESS

Our iPhones let us take pictures and record audio or video at a moment's notice, and they also give us the ability to quickly share information via social media. This one-two punch is capable of starting new revolutions from scratch—case in point, the Black Lives Matter movement. Although the movement dates back to 2013—after Sanford, Florida, resident and neighborhood watch volunteer George Zimmerman was acquitted of murder after shooting the unarmed African-American teenager Trayvon Martin—the movement has continued to stay at the forefront of online coverage, thanks to ongoing civilian footage of police misconduct. In the death of North Charleston, South Carolina, resident Walter Scott, for example, a bystander filmed police officer Michael Slager shooting an unarmed Scott in the back multiple times as he attempted to run away. The recording then shows Slager walking up to Mr. Scott's body and dropping a taser by his side. This contradicted the officer's police report, in which he stated that Scott had grabbed his taser, therefore posing a threat and justifying the use of deadly force.

Documentation helps mobile activists raise awareness, but being able to organize activities and participate is another aspect of today's social movements. The best example of this is probably 2014's ALS Ice Bucket Challenge. The challenge consisted of participants filming themselves dumping buckets of ice over their heads

and nominating several friends to do the same within 24 hours. The purpose of the challenge was to raise awareness about Lou Gehrig's Disease and encourage participants to donate to one of several charities. The Ice Bucket Challenge reached its peak in the summer of 2014, with Facebook reporting a total of 2.4 million tagged videos for the cause, and the ALS Association raising over \$100 million within 30 days.

\$100
MILLION

THE AMOUNT OF MONEY
THE ALS ASSOCIATION
RECEIVED IN DONATIONS
DURING ITS SOCIAL ME-
DIA CAMPAIGN IN THE
SUMMER OF 2014.

Like the Arab Spring and the Black Lives Matter movement, once the ALS Ice Bucket Challenge gained momentum online, the cause took on a life of its own.

THE REVOLUTION WILL BE TWEETED

As more of these mobile tools end up in the hands of passionate citizens, I believe we'll continue to see a bigger impact from non-centralized grassroots movements. Mobile technology is showing us a new world in which people have more power than ever over what happens in their countries and communities. Regimes and organizations that depend on controlling the medium and the message are being left with no choice but to relinquish that control. It will be interesting to see what effect this unconstrained communication will have on leadership structures in the coming years.



Alex Cequea is a contributing editor at *iPhone Life* magazine and host of *Social Good Now*, an online commentary show focusing on social entrepreneurship and social good. He's visited over 25 countries and currently lives in Austin, TX. You can reach him at me@alexcequea.com and watch his show at socialgoodnow.com.



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WEARABLE WONDERS

10 MUST-HAVE APPS FOR YOUR NEW APPLE WATCH

BY TODD BERNHARD

The Apple Watch is still a relatively new product, and, despite selling to millions of customers, the wearable still has a limited supply of truly compelling apps. Well-designed Apple Watch apps recognize that they are running on your wrist and work within that limitation. They don't require you to navigate through a complex maze of menus or keep your wrist elevated for minutes at a time. With that in mind, I've compiled a list of the most useful Apple Watch apps available, from music and sports selections to the best in fitness and productivity.



SPORTS

ESPN
(Free)

iPhone, iPad, iPod Touch,
Apple Watch

ESPN is considered the gold standard for sports coverage by many fans, and now using it to keep up with the

scores of your favorite teams is that much easier with the Apple Watch. You can decide which sports and which teams you care about and get notices on your watch throughout the day.



theScore
(Free)

iPhone, iPad, iPod Touch,
Apple Watch

If you want to keep track of global sports that ESPN doesn't pay enough attention to, you should check out theScore. The app offers

a variety of sports categories, including Mixed Martial Arts, Formula 1 racing, tennis, soccer, and lacrosse. You can select specific athletes to track and receive alerts when they're in the news—a useful feature for fantasy sports enthusiasts.



MUSIC
iHeartRadio
(Free)

iPhone, iPad, iPod Touch,
Apple Watch

There's a certain charm to the live AM and FM radio stations that you grew up listening to. Unlike on-demand listening with Spotify and Apple Music, iHeartRadio is a network of traditional radio stations that play everything from music to podcasts to sports. You're bound to find a station you like, and, best of all, it's free. You must have your iPhone within Bluetooth range in order to play the music—just add a pair of headphones and you'll be able to enjoy a variety of music on the go.



DINING
OpenTable
(Free)

iPhone, iPad, iPod Touch,
Apple Watch

OpenTable has saved my skin more than a few times. While at a prior job as director of marketing at a large software firm, I often had

to coordinate dinner reservations for large groups of executives—an especially difficult task during busy tradeshows, when restaurants were crowded. Adding Apple Watch capability means you can stay informed of pending reservations without having to pull out your iPhone during meetings.



TRAVEL

Citymapper
(Free)

iPhone, iPad, iPod Touch, Apple Watch

I use the Citymapper app on my iPhone quite a bit, as it's a great way to find the best route. When in New York City, I use Citymapper

to find the right subway lines and times, but I'm always concerned about taking my phone out and not paying attention to my surroundings. Now, with Citymapper on my wrist, I can glance at notifications on the watch face without worries.



NEWS

Flipboard
(Free)

iPhone, iPad, iPod Touch, Apple Watch

Flipboard turned the tables on traditional news media, letting you choose the content you liked and then aggregating it into an elegant,

easy-to-read format. The company did such a good job that Apple has now followed suit and released its own News app as a standard component of iOS 9. Still, Flipboard has evolved and innovated, embracing social sharing as one of its differentiators. With its Apple Watch app, Flipboard has shown that it still knows how to produce a good product even on a tiny screen.



PRODUCTIVITY

Keynote
(\$9.99)

iPhone, iPad, iPod Touch, Apple Watch

If you create and make presentations, Apple's Keynote is a must have, with graphical tools, transitions, and animations that are much

more professional than Microsoft PowerPoint. For years, Keynote allowed you to control slides from a companion iOS device, and now the Apple Watch gets to join in on the fun. With the watch app, you can casually advance slides by tapping on your wrist. One bit of advice, though: Use the Settings app on the Apple Watch to make the last app used appear when you raise your wrist, instead of the clock face showing up by default.



TRAVEL

Target
(Free)

SHOPPING

Target
(Free)

iPhone, iPad, iPod Touch, Apple Watch

It's often easier to navigate an app or website than a large supermarket. Target's Apple Watch app is helping to change that, letting you

find where products are located in the store and check them off your list as you pick them up without juggling your iPhone while shopping.



FITNESS

Nike+ Running
(Free)

iPhone, iPad, iPod Touch, Apple Watch

If you feel limited by Apple's somewhat simplistic fitness-tracking app, Nike+ Running is a well-done alternative that lets you compete in

challenges with other users. The app integrates with Apple's HealthKit, allowing Nike's app to access your heartbeat records and Apple's Health app to access your running records.



SMART HOME

Wink
(Free)

iPhone, iPad, iPod Touch, Apple Watch

I'm a big fan of Wink, the home-automation hub that integrates with a variety of smart home products from other brands. The app's

clean, simple interface works great on the iPhone and translates well to the Apple Watch. It lets me close the garage door when I stray further from the house than planned when walking my dog, or open it when I arrive on my motorcycle and can't easily fish out my iPhone.



Todd Bernhard is founder of No Tie Software, an app development company specializing in ringtones and sound effects including AutoRingtone. Bernhard has owned an Apple Newton, a Motorola Marco, an HP 95LX, a Compaq iPaq, a Palm Treo, and a Nokia e62. In addition to writing for iPhone Life, Mr. Bernhard has written for its legacy publications, PocketPC Magazine and The HP Palmtop Paper.

EXPRESS YOURSELF

8 COOL KEYBOARDS TO
KEEP THE CONVERSATION
GOING

BY VIOLET COOPER

It wasn't until last year that Apple finally allowed for third-party apps to access the keyboard on the iPhone and iPad. Almost immediately, developers inundated the App Store with a wide variety of new keyboard apps for us to choose from. Here, we'll take a look at some of our favorites, ranging from the speed-typing tools to the new specialty keyboard variety that offers creative ways to keep the conversation going.



MOST POPULAR

SwiftKey
(Free)

iPhone, iPad, and iPod touch

SwiftKey has some of the best autocorrect and text prediction technology currently available. It also lets you type one-handed with word tracing, which allows for fluid text entry by sliding your pointer finger from one letter to the next. The app analyzes how you communicate through texting and social

media to improve its predictive ability. After SwiftKey observes your typing for a while, it will get so good it will finish your sentences for you. This app is available to use in a long list of languages and has a couple color themes to choose from. SwiftKey also adds a button to its keyboard so you can quickly add punctuation without switching screens.



THE EXTENDER

Fleksy
(Free)

iPhone, iPad, and iPod touch

Fleksy has many of the familiar options you're used to seeing in your built-in keyboard, such as autocorrect and text prediction, but it also offers a bunch of customization options. For instance, if you like to send GIFs (short animated images) to friends or want to type one-handed, Fleksy offers an easy-

to-install extension that allows for those extra features. You can also use gestures as you type, which are shortcut movements that make it quick to delete text or use caps lock without having to stop and look for those special buttons on your keyboard. You can select your own color theme, resize the keyboard to your liking, easily add punctuation, and choose from a variety of languages.



GET ANIMATED



GIF Keyboard
(Free)

iPhone, iPad, and iPod touch

The GIF Keyboard app is great for those who love to send animated GIFs. The keyboard lets you search GIFs by theme using hashtags like #thumbsup or #haters. This keyboard is very quick and easy to use, so if you ever send GIFs, it is well worth the download.



THE LITTLE GUY



Minuum
(\$3.99)

iPhone, iPad, and iPod touch

Minuum has a feature that no other app has: its keyboard can become very, very small. By default, the keyboard is normalized, but for those times when more room is needed, you can squish the keyboard to the bottom of your screen. More importantly, even though the keyboard is so small that you

couldn't possibly know which tiny button you are tapping, the app still produces accurate text. The keyboard also includes autocorrect, text prediction, and emoji prediction. This app is available in many languages, has its own dictionary, allows for saved gesture shortcuts, and even provides keyboard themes.



PICTURE PERFECT



Draw Keyboard HD
(Free)

iPhone, iPad, and iPod touch

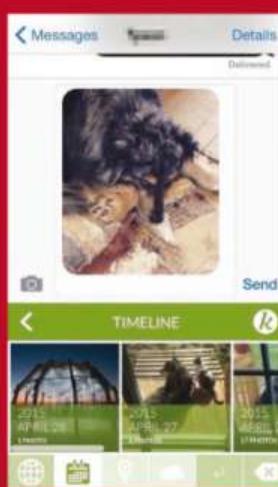
Sometimes a hand-drawn picture carries more meaning than words. For those times, Draw Keyboard HD provides a blank canvas for you to fill, or you can draw on top of one of your own photos. There is only one thickness for your paintbrush, but it is the perfect size for your messaging screen. The primary color palette is free and comes

with the app, but other color options will cost you.

TIP!

How To Install Your New Keyboard

All of these keyboards are simple to install and use. After downloading your new purchase in the App Store, go to Settings > General > Keyboard > Keyboards and select Add New Keyboard. Once installed, allow the app to access your keyboard. Next time you type, you can access the keyboard by holding down the globe to the left of the microphone to reveal a list of your installed keyboards.



SHARE ANY PICTURE



KwiltKeys
(In Beta)

iPhone, iPad, and iPod touch

KwiltKeys pulls all your photos together from a variety of different sources—including your social media accounts and the photos from your Photos app—and stores them all in one place so that you can share them directly from the KwiltKeys keyboard. Photos are arranged by location, photo source, and date taken, so it is easy to find just the right one, and you can easily share them in compatible apps such as Facebook Messenger, WhatsApp, and Mail. KwiltKeys is still in beta, but it's allowing iPhone users to sign up and participate in the app testing.

Unfortunately, there is a slight downside to all of these amazing keyboards for the iPhone. While Apple finally gave developers access to the keyboard, it didn't give them permission to use the built-in microphone, which is essential for dictation typing. The dictation button is currently absent on all third-party keyboards. So you may want to revisit Apple's good-old stock keyboard if dictating texts is important to you.



Violet Cooper is a freelance lifestyle writer. She loves spending time with her husband, enjoys going on adventures, and is an Apple enthusiast.

From iPhone to Easel

6 APPS FOR TRANSFORMING YOUR PHOTOS INTO WORKS OF ART

BY ANJERIKA WILMER

As iPhoneographers, we're constantly looking for new and innovative ways to bring our photos to life. Sure, traditional editing apps like **VSCOcam** (free) and **Instagram** (free) can do the trick, but sometimes you want to add something a little more creative, from bold lines to brush strokes. Thanks to a new breed of artistic photo apps, you can now transform your images into fun works of art—just follow these tips to achieve the aesthetic you want.

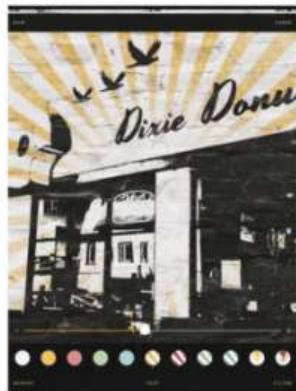


Waterlogue

(\$2.99)

When you think of creating beautiful watercolor paintings, you likely imagine using wet brushes and an assortment of messy, colorful paint, not your iPhone or iPad. The Waterlogue app takes traditional painting to a whole new level, allowing you to convert your digital photos into unique paintings that you can frame in your home. For best results, select a high-resolution photo with lots of color. As with other traditional photo-editing

apps, you can choose from an assortment of filters ranging from "Vibrant" to "Color Bloom." The app itself is highly intuitive, allowing you to easily toggle between filters until you're satisfied with the final composition.

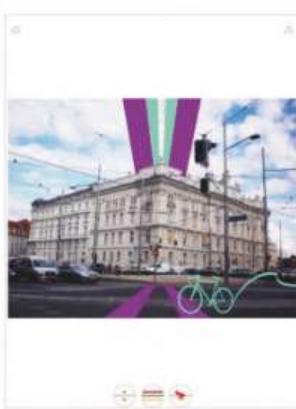


Fotofitti

(\$0.99)

Fotofitti will turn your photos into gritty street murals reminiscent of the work of Banksy, the famed English graffiti artist. Begin by either shooting a photo within the app or uploading an image from your Photos app. With 15 filters to choose from and the option to add text and shapes, Fotofitti makes it incredibly easy to achieve an urban aesthetic

Banksy would be proud of. It's your street art, so personalize it however you like, whether you choose a brilliant splash of spray paint or a burst of colorful sunrays.



LoryStripes

(\$1.99)

While LoryStripes may not be the most intuitive app of the bunch, it makes up for it with its intertwining 3D graphic stripes and ribbons. You can use these beautifully designed graphics to create a sleek, minimalist look you can't achieve using traditional photo-editing apps. Of course, patience is a must

as you work closely to manipulate, zoom in on, and reposition the stripes until they're exactly where you want them to be. Once you know how to apply all of the tools, mastering LoryStripes is a breeze. For optimal results, select outdoor photos with clear landmarks and plenty of white space.



XTRAPOP

(Free)

Think of XTRAPOP as a photo booth in

your iPhone. Complete with funky stickers, frames, and filters, this app is all about giving your photos a quirky twist. Maybe you want to add a goofy pair of shades to a random selfie, or perhaps some psychedelic filters to give your image a modern look. Besides the awesome

selection of crazy props, the app's endless range of filters left us seriously impressed.



Glaze

(Free)

Similar to Waterlogue but for oil painting,

Glaze is a cinch to use, turning any photo into a painterly masterpiece. Begin by uploading a clear, high-resolution photo from your image library. In place of filters, this app offers a myriad of brushstroke styles. Though you'll have to pay for some of the options via in-app purchases, there

are plenty of variations to play around with for free. Once you've loaded each style, it's easy to switch between the various effects.



ComicBook!

(\$2.99)

Seriously—how many of you are dying

to create a comic book based around your own life? Thanks to ComicBook!, doing so may be easier than you think. Simply select a layout, add some animated stickers, and experiment with the app's wide range of customizable filters. Complete with a user manual and tutorial, this app

gets an A+ for usability and navigation. If you aren't geeking out yet, then just you wait—ComicBook! is guaranteed to add an instant "POW!" to all of your photos.



Anjrika Wilmer is a full-time graduate student and freelance writer who fancies all things digital. Though a tried-and-true fashion girl, she counts art history, architecture and good design as constant sources of inspiration.

FEATURED iUSER: Glenn Gillen



Location: Melbourne, Australia

One-Line Bio: Glenn Gillen is an investor in early stage tech start-ups, as well as the founder of Glu IO (getglu.io), an app aimed at helping developers integrate services into their own offerings.



Mailbox: I receive a lot of emails for work, and Mailbox is the best way to process messages quickly so I can keep my mind clear and focused throughout the day.



Things: I'm an advocate of David Allen's "Getting Things Done" approach to time management, and I use Things to create lists of tasks that I can reference throughout the day.



Buffer: Whenever I come across something interesting to share on social media, Buffer lets me queue it up so I'm not overwhelming my followers with sudden bursts of activity.



CudaSign: When I receive a document that I'm expected to print, sign, and then scan and mail back, I opt to use CudaSign, which lets me sign files directly from my iPhone.



RelateIQ: This app is a great little tool for managing my sales pipeline. It integrates automatically into my email, so I don't need to open the app whenever I communicate with someone.



Intercom: This app allows me to communicate with customers who are using our product in real time, whether I'm providing support or requesting feedback.



Doxie: On the rare occasions I need to scan a physical document, I use the Doxie scanner with its corresponding app to send files straight to my phone.



Xero: Doing my accounting and getting my books up to date is a productive way to kill an hour or two in transit—Xero lets me do it no matter where I am.



Shoeboxed: This app lets me track my business expenses by taking photos of my receipts. Shoeboxed itemizes them and then sends the report over to Xero for bookkeeping.



POP: If we're sketching out ideas for a new app, POP lets me take a few photos of our drawings, link the buttons and elements we've drawn together, and then share a working prototype with someone.



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#SMARTIMAGING

From Palmtop PC to iPhone 6S—The Evolution of the Smartphone

Cracking the Usability Code

With the recent release of the iPhone 6s and subsequent sale of millions of the handsets worldwide, it's hard to believe that so few people used smartphones just 15 years ago. In 1994, I purchased the first fully functional, pocket-sized 200LX Palmtop PC by HP, which was a far cry from the sleek, intuitive iPhone that I rely on today.

Microsoft followed suit in 2000 when it released the Pocket PC. That same year, HP was among a handful of tech companies to manufacture the first smartphones and Wi-Fi devices using the Microsoft Windows mobile operating system. At that moment, pocket computers (PDAs) morphed into smart communication devices, showcasing many of the same features we see in today's smartphones—including note-taking, calculation, Internet, email, music, games, videos, and third-party apps. But for the average user, even in a corporate setting, handheld devices remained intimidating.

Even so, most experts at the time projected hockey-stick growth for handheld devices. Yet throughout the 1990s and into the early 2000s, smartphone sales remained surprisingly flat. Even power users struggled with using small devices. No one could crack the usability code. As late as 2006, Hewlett-Packard and Microsoft were beginning to think that handheld computers, even when sold as phones, were niche products for enterprise use.

Apple Introduces the iPhone

Prior to the iPhone, the tech industry's main goal was to figure out a way to effectively squeeze the features of a desktop PC into a tiny device for professionals. Apple took a different approach to smartphone development—create a great consumer experience. When Apple released the first iPhone in 2007, it prioritized usability first, features second, and third-party apps last.

Competing smartphones were much more complicated. In order to access apps, users had to navigate

a variety of buttons and multilevel menu systems. But users quickly learned how to navigate their iPhones using the Home button and screen icons. For those already comfortable using a phone and playing music on a portable device, the iPhone was a simple transition, as it was essentially an iPod on which you could make calls. The iPhone didn't require much of a learning curve—if a user wanted to calculate a tip, send a message, or search Google, then doing so was a fairly intuitive process.

What made the first iPhone truly innovative was its touchscreen capability. For years I tapped diminutive keys on the HP 200LX or used a stylus with my Pocket PC. Although I was initially hesitant when using my finger to navigate the screen, I soon experienced the intuitive nature of touchscreen technology.

Apple stood out from the competition in a lot of ways. Whereas a Microsoft Windows smartphone might have been manufactured by Motorola, serviced by Verizon, and populated by third-party apps from various websites, Apple took control of its entire ecosystem—from hardware and software to creating its own App Store. Even if all parties strictly adhered to Microsoft specs, unexpected results would occur, creating a nightmare for the consumer and support staff. On top of that, Apple made upgrading the iPhone's software incredibly easy. Upgrading an iPhone to the latest version merely required a few screen taps. Previously, even when the phone companies and manufacturers actually offered upgrades, the unclear process could brick the device, rendering it lifeless.

Simply stated, Apple won the smartphone wars by choosing to focus on the customer first. Nearly a decade later, that bet is still paying off.



Hal, along with his wife Rita, founded *iPhone Life*'s original publishing company, Thaddeus Computing, in 1985. You can reach him at hal@thaddeus.com. Check out Hal's new book at meditatingentrepreneur.com.

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